



# STIC Search Report

## EIC 2100

STIC Database Tracking Number: 127553

TO: Kambiz Zand  
Location:  
Art Unit : 2132  
Friday, July 23, 2004

Case Serial Number: 09/601222

From: Geoffrey St. Leger  
Location: EIC 2100  
PK2-4B30  
Phone: 308-7800

[geoffrey.stleger@uspto.gov](mailto:geoffrey.stleger@uspto.gov)

### Search Notes

Dear Examiner Zand,

Attached please find the results of your search request for application 09/601222. I searched Dialog's foreign patent files, technical databases, product announcement files and general files.

Please let me know if you have any questions.

Regards,



Geoffrey St. Leger  
4B30/308-7800



# STIC Search Results Feedback Form

**EIC 2100**

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Anne Hendrickson, EIC 2100 Team Leader  
308-7831, CPK2-4B40

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

**Comments:**

Drop off or send completed forms to STIC/EIC2100 CPK2-4B40



②

Access DB# 127553

# SEARCH REQUEST FORM

Scientific and Technical Information Center

63

Requester's Full Name: Kambiz Zand Examiner #: 78582 Date: 07/19/04  
Art Unit: 2132 Phone Number 30 6-4169 Serial Number: 09/601222  
Mail Box and Bldg/Room Location: CPK2/4C10 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.  
\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: system & Method for Managing Computer applications security  
Inventors (please provide full names): ~~RDukei~~ Charles Coulter; Philippe Brun

Earliest Priority Filing Date: 01/20/1999

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

See enclosed paper

\*\*\*\*\*

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Geoffrey ST. Leger</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>308-7800</u>	AA Sequence (#) _____	Dialog <u>✓</u>
Searcher Location: <u>4B30</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>7/23/4</u>	Bibliographic <u>✓</u>	Dr.Link _____
Date Completed: <u>7/23/4</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>45</u>	Fulltext <u>✓</u>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>255</u>	Other _____	Other (specify) _____

File 347:JAPIO Nov 1976-2004/Mar(Updated 040708)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200446

(c) 2004 Thomson Derwent

Set	Items	Description
S1	5243	(SINGLE OR ONE OR ENTIRE OR WHOLE OR EACH OR EVERY OR ALL) - (5W) (DIRECTORY OR DIRECTORIES OR TREE? ? OR HIERARCH?)
S2	32	(ALL OR EVERY) (5W) FOLDERS
S3	131757	RIGHTS OR PERMISSIONS OR PRIVILEGES OR AUTHORIZATION? ? OR AUTHORISATION? ? OR CLEARANCE? ? OR CREDENTIAL? ?
S4	3687	ACCESS(3N) (LEVEL? ? OR TYPE? ? OR GRADE OR GRADES)
S5	12	S3:S4(10N)S1:S2
S6	42	S3:S4(7N) (MAP???? OR ASSOCIAT??? OR CORRELAT??? OR REFER??? OR CORRESPOND??? OR POINT??? OR CONTAIN??? OR STORE? ? OR ST- ORING) (7N) (DIRECTORY OR DIRECTORIES OR TREE? ? OR HIERARCH? OR FOLDERS)
S7	39	S6 NOT S5
S8	25	S7 AND AC=US/PR
S9	9	S8 AND AY=(1965:1999) /PR
S10	15	S7 AND PY=1965:1999
S11	19	S9:S10

5/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

07015478 \*\*Image available\*\*  
RECORD MEDIUM AND ITS ACCESS CONTROL METHOD

PUB. NO.: 2001-243106 [JP 2001243106 A]  
PUBLISHED: September 07, 2001 (20010907)  
INVENTOR(s): OGAKE MITSURU  
APPLICANT(s): RICOH CO LTD  
APPL. NO.: 2000-050394 [JP 200050394]  
FILED: February 28, 2000 (20000228)  
INTL CLASS: G06F-012/00; G06F-003/06; G06F-012/14; G06F-017/30;  
G11B-020/10

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a record medium that can only be accessed by a identified user under an environment of general medium usage like a personal computer.

SOLUTION: The **access** method provides two **types** of root directories. **One** is a root **directory** 1 c to show only the information that the root directory exists and the other is the root directory 2 d that contains the intrinsic root directory data. A right user can access objective record data by accessing the root directory 2 d through a root directory arrangement information f but an unauthorized user is made to access the root directory information 1 c having only root directory subjected to a root directory access information a.

COPYRIGHT: (C)2001,JPO

5/5/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015138445 \*\*Image available\*\*  
WPI Acc No: 2003-198971/200319  
XRPX Acc No: N03-158190

**Network device access authentication system for use within distributed network e.g. internet, has master directory structure which contains data recording personnel who are authorized to access devices in remote data centers**

Patent Assignee: KENNEDY P (KENN-I)  
Inventor: KENNEDY P  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020162028	A1	20021031	US 2001841008	A	20010425	200319 B

Priority Applications (No Type Date): US 2001841008 A 20010425

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020162028	A1	18	G06F-012/14	

Abstract (Basic): US 20020162028 A1

NOVELTY - A master directory structure (102) contains data regarding personnel who are authorized to access devices in remote data centers (108,110,112). A hub receives directory structure information from the master directory structure. Several directory structure copies within each remote data center which are accessible by the devices in the remote data centers.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Master directory structure; and
- (2) Method for managing multiple customer accounts.

USE - For authentication of network device access within a

distributed network e.g. internet or intranet.

ADVANTAGE - By providing a **single master directory** structure, all access **authorization** is based upon the master structure and hence the access credentials are readily manageable. Also the centralized master structure obviates the need for replicating and updating a database containing user identification information and passwords.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the network device access authentication system.

Master directory structure (102)  
Remote data centers (108,110,112)  
pp; 18 DwgNo 1/5

Title Terms: NETWORK; DEVICE; ACCESS; AUTHENTICITY; SYSTEM; DISTRIBUTE;  
NETWORK; MASTER; DIRECTORY; STRUCTURE; CONTAIN; DATA; RECORD; PERSONNEL;  
AUTHORISE; ACCESS; DEVICE; REMOTE; DATA; CENTRE  
Derwent Class: T01  
International Patent Class (Main): G06F-012/14  
File Segment: EPI

5/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014919043 \*\*Image available\*\*  
WPI Acc No: 2002-739750/200280  
XRPX Acc No: N02-582762

**Program product for creating invisible hierarchy in planning system, has checking mechanism determines whether any of rules is associated with plan segment reference data for creating invisible hierarchy**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: SHUKLA M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6456997	B1	20020924	US 2000548131	A	20000412	200280 B

Priority Applications (No Type Date): US 2000548131 A 20000412

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6456997	B1	11	G06F-017/30	

Abstract (Basic): US 6456997 B1

NOVELTY - A loading mechanism (31) loads a plan segment which is a portion plan cube and comprising data, rules and defined hierarchy with specific dimension. A checking mechanism (32) determines whether any of the rules is associated with the plan segment reference data for creating invisible hierarchy which comprises ancestor of defined hierarchy.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Planning system; and
- (2) Invisible hierarchy creation method.

USE - For creating invisible hierarchy in planning system (claimed) such as computerized planning system.

ADVANTAGE - Enables the planners to **access higher level plan data** for variable calculations, without the need to load **entire hierarchy** and planning cube.

DESCRIPTION OF DRAWING(S) - The figure shows a client-server computer system using the program product.

Loading mechanism (31)  
Checking mechanism (32)  
pp; 11 DwgNo 3/6

Title Terms: PROGRAM; PRODUCT; INVISIBLE; HIERARCHY; PLAN; SYSTEM; CHECK;  
MECHANISM; DETERMINE; RULE; ASSOCIATE; PLAN; SEGMENT; REFERENCE; DATA;  
INVISIBLE; HIERARCHY  
Derwent Class: T01  
International Patent Class (Main): G06F-017/30  
File Segment: EPI

5/5/4 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014156061 \*\*Image available\*\*  
WPI Acc No: 2001-640289/200174  
XRPX Acc No: N01-478718

**Structured digital certificate for verifying entity's identity in internet, has cryptographical folder containing authorization information which is readable only by specific recipient**

Patent Assignee: HEWLETT-PACKARD CO (HEWP )  
Inventor: CORELLA F  
Number of Countries: 027 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1130491	A2	20010905	EP 2000310771	A	20001204	200174 B
JP 2001237827	A	20010831	JP 2000383141	A	20001218	200174

Priority Applications (No Type Date): US 2000483189 A 20000114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1130491	A2	E	19	G06F-001/00	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR  
JP 2001237827 A 12 H04L-009/32

Abstract (Basic): EP 1130491 A2

NOVELTY - The certificate comprises a primary type of authorization information that is relevant to specific recipient and readable by the specified recipient. A cryptographic folder contains a secondary type of authorization information which is readable by corresponding recipient and is not readable by previous recipient.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Authorization information confidentiality providing method;
- (b) Digital certificate signing method;
- (c) Digital certificate delivery method;
- (d) Digital certificate signature verification method

USE - For verifying the identity of an entity on data network such as internet.

ADVANTAGE - Since each folder contains authorization information for specific relying party, the single structured digital certificate is used by multiple relying party. The authorization field is kept confidential by placing authorization field in one of cryptographic folders and replacing authorization information with cryptographic hash of **authorization** information in other fields. Since **all folders** of digital certificate is closed during digital certificate transmission, the time taken to transmit the digital certificate over the network is reduced with reduced network traffic and computational overhead.

DESCRIPTION OF DRAWING(S) - The figure shows the block and dataflow diagram illustrating delivery of structured digital certificate to message recipient from certificate authority.

pp; 19 DwgNo 6/9

Title Terms: STRUCTURE; DIGITAL; CERTIFY; VERIFICATION; ENTITY; IDENTIFY; FOLDER; CONTAIN; INFORMATION; READ; SPECIFIC; RECIPIENT

Derwent Class: T01; W01

International Patent Class (Main): G06F-001/00; H04L-009/32

International Patent Class (Additional): G06F-017/60

File Segment: EPI

5/5/5 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

012466250    \*\*Image available\*\*

WPI Acc No: 1999-272358/199923

XRFX Acc No: N99-203923

Registration data processor e.g. ECR (electronic cash register), POS (point of sale) terminal - has privilege providing component which outputs corresponding privilege e.g. rebate, discount terms on predetermined goods to customer, when registered and stored customer hierarchy conforms

Patent Assignee: TOKYO ELECTRIC CO LTD (TODK )

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11086141	A	19990330	JP 97239203	A	19970904	199923    B

Priority Applications (No Type Date): JP 97239203 A 19970904

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11086141	A		8 G07G-001/12	

Abstract (Basic): JP 11086141 A

NOVELTY - A privilege providing component outputs the **privileges** e.g. rebate, discount terms on predetermined goods assigned to **each** customer, when the registered customer **hierarchy** and stored customer hierarchy conforms. DETAILED DESCRIPTION - A key-pad (4) registers a customer hierarchy for every transaction of the customer. A privilege memory (7) stores the predetermined customer hierarchy to which the registered customer hierarchy is compared.

USE - None given.

ADVANTAGE - Assigns privileges to customers individually without needing customer card, depending on the hierarchy. Simplifies the verification of customer hierarchy by comparison and emits a commercial message depending on the hierarchy. DESCRIPTION OF DRAWING(S) - The figure shows the exterior perspective diagram of the POS terminal. (4) Key-pad; (7) Privilege memory.

Dwg.1/14

Title Terms: REGISTER; DATA; PROCESSOR; ECR; ELECTRONIC; CASH; REGISTER; POS; POINT; SALE; TERMINAL; COMPONENT; OUTPUT; CORRESPOND; REBATE; DISCOUNT; TERM; PREDETERMINED; GOODS; CUSTOMER; REGISTER; STORAGE; CUSTOMER; HIERARCHY; CONFORM

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/12

File Segment: EPI

5/5/6        (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

011776200    \*\*Image available\*\*

WPI Acc No: 1998-193110/199817

XRFX Acc No: N98-152887

Thresholding mechanism for DP performance monitoring system - includes cycle counter activated by memory request signal and deactivated by data completion signal with thresholder generating output when cycle counter exceeds threshold

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: DWYER H; LEVINE F E; WELBON E H; WRIGHT C G

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5727167	A	19980310	US 95422363	A	19950414	199817    B
			US 96654068	A	19960611	

Priority Applications (No Type Date): US 95422363 A 19950414; US 96654068 A 19960611

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5727167	A	11	G06F-013/00	Cont of application US 95422363



Abstract (Basic): US 5727167 A

The thresholding mechanism includes a memory hierarchy with at least one level of cache memory and a main memory processing a memory request signal and outputting a data completion signal. A cycle counter is activated by the memory request signal to the memory hierarchy and deactivated by the data completion signal. A clock coupled to the cycle counter increments it with each clock cycle after its activation.

A monitor mode control register stores a variable software settable threshold value. A thresholder connected to the cycle counter receives an output count value when the cycle counter is deactivated. The thresholder compares the threshold value stored in the monitor mode control register with the output count value from the cycle counter. The thresholder generates an output when the count value exceeds the threshold value. An output connected to the event counter for generating an output for performance analysis.

**ADVANTAGE** - Identifies distribution of **access** times for **all levels** of memory **hierarchy**.

Dwg.3/7

Title Terms: MECHANISM; PERFORMANCE; MONITOR; SYSTEM; CYCLE; COUNTER; ACTIVATE; MEMORY; REQUEST; SIGNAL; DEACTIVATE; DATA; COMPLETE; SIGNAL; GENERATE; OUTPUT; CYCLE; COUNTER; THRESHOLD

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

5/5/7 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010514179 \*\*Image available\*\*

WPI Acc No: 1996-011130/199601

XRPX Acc No: N96-009545

**Authorising transactions for distributed currency or purchasing goods and services - receiving authorisation request over telephone from remote point-of-sale terminal and processing received request using database customised to business user to establish business's hierarchical structure**

Patent Assignee: VISA INT SERVICE ASSOC (VISA-N); VISA INT (VISA-N)

Inventor: GOODMAN L M; LANGHANS S; SHAPIRO S L; SHAPIRO S

Number of Countries: 064 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9531789	A1	19951123	WO 95US5800	A	19950510	199601 B
US 5500513	A	19960319	US 94241106	A	19940511	199617
AU 9525459	A	19951205	AU 9525459	A	19950510	199620
US 5621201	A	19970415	US 94241106	A	19940511	199721
			US 96597050	A	19960205	
CA 2190154	C	20001212	CA 2190154	A	19950510	200103
			WO 95US5800	A	19950510	

Priority Applications (No Type Date): US 94241106 A 19940511; US 96597050 A 19960205

Cited Patents: GB 2118341; US 4727243; US 4812628

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9531789 A1 E 44 G06F-017/60

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ UG

US 5500513 A 20 G06F-017/60

AU 9525459 A G06F-017/60

US 5621201 A 19 G06K-005/00

CA 2190154 C E G06F-017/60

Based on patent WO 9531789

Cont of application US 94241106

Cont of patent US 5500513

Based on patent WO 9531789

Abstract (Basic): WO 9531789 A

The automated purchasing control method (94) involves receiving an authorisation request over the telephone line from a remote point-of-sale terminal (98) and processing the request using software having a database customised to a corporate user (70) to establish that company's hierarchical structure.

Elements of the hierarchical structure are independently reconfigurable, so that a company can specify different hierarchical relationships in the software for authorisation, billing and reporting purposes. Different **authorisation** tests can be established for **each** position in a **hierarchy**, with a particular position being required to pass not only its own test, but the test of elements higher in the hierarchical tree.

USE/ADVANTAGE - Automated purchasing control using credit cards in large company or corporation. Enables customisation for business customer. Allows company's expense and purchasing controls to automated and implemented without human intervention using purchasing or credit cards.

Dwg.8/11

Title Terms: AUTHORISE; TRANSACTION; DISTRIBUTE; CURRENCY; PURCHASE; GOODS; SERVICE; RECEIVE; AUTHORISE; REQUEST; TELEPHONE; REMOTE; POINT; SALE; TERMINAL; PROCESS; RECEIVE; REQUEST; DATABASE; CUSTOMISATION; BUSINESS; USER; ESTABLISH; BUSINESS; HIERARCHY; STRUCTURE

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60; G06K-005/00

File Segment: EPI

5/5/8 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009916033 \*\*Image available\*\*

WPI Acc No: 1994-183743/199422

Related WPI Acc No: 1994-007760

XRFX Acc No: N94-145038

**File directory structure generator and retrieval tool for computer network - has open and save modules in background of application program for intercepting control of local processor for display of card for entry of data relating to file contents and location in real world hierarchical structure**

Patent Assignee: 2010 SOFTWARE CORP (TWOZ-N); CAPLAN S D (CAPL-I);

COHEN-LEVY L (COHE-I); GRAVES A (GRAV-I); SCHMIDT R D (SCHM-I)

Inventor: CAPLAN S D; COHEN-LEVY L; GRAVES A; SCHMIDT R D

Number of Countries: 023 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9411830	A1	19940526	WO 93US10990	A	19931112	199422 B
AU 9456047	A	19940608	AU 9456047	A	19931112	199435
US 5423034	A	19950606	US 92896514	A	19920610	199528
			US 92974555	A	19921112	

Priority Applications (No Type Date): US 92974555 A 19921112; US 92896514 A 19920610

Cited Patents: US 4891785; US 5036484; US 5065347; US 5115504; US 5179718; US 5230072; US 5235679; US 5271007

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9411830 A1 E 63 G06F-015/00

Designated States (National): AU CA JP KR NO NZ

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

AU 9456047 A G06F-015/00 Based on patent WO 9411830

US 5423034 A 24 G06F-015/40 CIP of application US 92896514

Abstract (Basic): WO 9411830 A

The file directory structure generator and retrieval tool includes a document locator for mapping file directory structure and changing network access privileges. An open module in the background of an

application program intercepts control of a local processor to open a file when a command is received. A save module intercepts control of the local processor when a command is received to request information on a file to be saved.

The open module displays a card to allow entry of information relating to file contents and location. The save module displays a card to allow entry of file content and location information.

ADVANTAGE - Easy to use. Avoids need to leave applications program.

Dwg.1/6

Title Terms: FILE; DIRECTORY; STRUCTURE; GENERATOR; RETRIEVAL; TOOL; COMPUTER; NETWORK; OPEN; SAVE; MODULE; BACKGROUND; APPLY; PROGRAM; INTERCEPT; CONTROL; LOCAL; PROCESSOR; DISPLAY; CARD; ENTER; DATA; RELATED ; FILE; CONTENT; LOCATE; REAL; WORLD; HIERARCHY; STRUCTURE

Derwent Class: T01

International Patent Class (Main): G06F-015/40

International Patent Class (Additional): G06F-015/21

File Segment: EPI

5/5/9 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009787343 \*\*Image available\*\*

WPI Acc No: 1994-067196/199409

XRPX Acc No: N94-052605

**Data processing for sorting and correcting postal addresses - using contextual predictive keying computer method enabling operator to read image of addressee mailing address and type in data to sort mail piece to final sorting level at destination post office**

Patent Assignee: INT BUSINESS MACHINES CORP (IBM )

Inventor: BORGENDALE K W; ROSENBAUM W S

Number of Countries: 012 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 584607	A2	19940302	EP 93112567	A	19930805	199409 B
EP 584607	A3	19950215	EP 93112567	A	19930805	199540
US 5734568	A	19980331	US 92933421	A	19920821	199820

Priority Applications (No Type Date): US 92933421 A 19920821

Cited Patents: No-SR.Pub; GB 2106679; US 4739479; US 4921107

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 584607 A2 E 28 B07C-003/20

Designated States (Regional): AT BE CH DE ES FR GB IT LI NL SE

US 5734568 A 24 G06F-017/60

EP 584607 A3 B07C-003/20

Abstract (Basic): EP 584607 A

The data processing method uses an address kernel determined by the system to be either sufficient or not sufficient in accomplishing a sorting of the mail piece down to the mechanical final sort level at the destination post office. The address kernel may be sufficient for the purpose of sorting to a residential neighbourhood having a sparse population, but a more densely populated neighbourhood is typically subject to a finer sorting using additional lines of the address. A rekeying station is provided with **access** to the final **level** sorting information for **all** destination postal offices. An address **directory** stored in the host system is organized by addressee records.

Each record can include data fields for the state, city zip code, street name, street number, building floor, company name, and/or office number for a postal addressee. In addition, each addressee record includes route code information for the destination location. A contextual predictive keying computer method interacts with the operator to access the addressee records to indicate which combinations of the respective data fields in the addressee record will provide the unique, sufficient information to sort down to the final sorting level.

ADVANTAGE - Optimises mail piece address correction sufficient to

map mail down to carrier walk sequence. Allows min. number of keystrokes by operator.

Dwg.2/8

Title Terms: DATA; PROCESS; SORT; CORRECT; POSTAL; ADDRESS; PREDICT; KEY; COMPUTER; METHOD; ENABLE; OPERATE; READ; IMAGE; ADDRESS; MAIL; ADDRESS; TYPE; DATA; SORT; MAIL; PIECE; FINAL; SORT; LEVEL; DESTINATION; POST; OFFICE

Derwent Class: P43; T01; T05

International Patent Class (Main): B07C-003/20; G06F-017/60

International Patent Class (Additional): G06G-007/48

File Segment: EPI; EngPI

5/5/10 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

008683620

WPI Acc No: 1991-187639/199126

XRPX Acc No: N91-143821

**Data processing system including memory and register spaces - provides varying rights of access descriptors, with type management and control used in memory protection**

Patent Assignee: INTEL CORP (ITLC )

Inventor: LAI K K; POLLACK F J

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2239333	A	19910626	GB 9019820	A	19900911	199126 B
DE 4040994	A	19910627	DE 4040994	A	19901220	199127
US 5075845	A	19911224				199203
GB 2239333	B	19931201	GB 9019820	A	19900911	199348
JP 3237065	B2	20011210	JP 90326081	A	19901129	200203

Priority Applications (No Type Date): US 89455635 A 19891222

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

GB 2239333	B		4	G06F-012/14	
------------	---	--	---	-------------	--

JP 3237065	B2	21	G06F-012/14	Previous Publ. patent JP 3220647
------------	----	----	-------------	----------------------------------

Abstract (Basic): GB 2239333 A

Access descriptors (24) include an object index (34) for selecting an object in the address space, and a rights field (35) specifying the permissible operations on a bi-paged object (38) selected by an access descriptor. An object table (42) has stored object descriptors for use in forming physical addresses to a page table directory object (60). A page table (44) is used in forming physical addresses to the paged object (38). Logic compares a page rights field (81) of a page table entry and a rights field (62) of a page table directory entry with the access type sought and asserts a fault if the access permitted by the page rights field is inconsistent with the access type sought.

A mechanism provides for the implicit deallocation of certain objects, to prevent dangling references if access descriptors which point to objects with shorter lifetimes are stored in objects with longer lifetimes. Special instructions provide a mechanism for the amplification or restriction of the rights of access descriptors.

ADVANTAGE - Accommodates simple to complex addressing structures, with access protection at each level of addressing.

Dwg.1/10

Title Terms: DATA; PROCESS; SYSTEM; MEMORY; REGISTER; SPACE; VARY; ACCESS; DESCRIBE; TYPE; MANAGEMENT; CONTROL; MEMORY; PROTECT

Derwent Class: T01

International Patent Class (Main): G06F-012/14

International Patent Class (Additional): G06F-009/44; G06F-009/46

File Segment: EPI

5/5/11 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

008662517 \*\*Image available\*\*

WPI Acc No: 1991-166544/199123

Related WPI Acc No: 1994-138061; 1994-138062; 1994-138063; 1994-220145;

1994-220146; 1994-257297; 1994-257298; 1994-257299; 1994-257300;

1994-257301; 1994-257302; 1994-266703; 1994-266704; 1996-270484

XRAM Acc No: C91-072051

XRPX Acc No: N91-127670

**Plant monitoring system for nuclear power plant - integrates monitors,  
controls and protection information during normal and accident conditions  
to reduce operator information overload**

Patent Assignee: ABB COMBUSTION ENG (ALLM ); COMBUSTION ENG INC (COEN )

Inventor: HARMON D L; JAMISON D S; MANAZIR R M; RESCORL R L; SCAROLA K;

HARMON D; JAMISON D; MANAZIR R; RESCORI R; RESCORL R

Number of Countries: 003 Number of Patents: 024

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2238650	A	19910605	GB 9023718	A	19901031	199123 B
FI 9005428	A	19910503				199131
US 5227121	A	19930713	US 89430792	A	19891102	199329
			US 92927051	A	19920806	
US 5227122	A	19930713	US 89430792	A	19891102	199329
			US 92870131	A	19920415	
US 5265131	A	19931123	US 89430792	A	19891102	199348
			US 92926860	A	19920806	
US 5267277	A	19931130	US 89430792	A	19891102	199349
US 5267278	A	19931130	US 89430792	A	19891102	199349
			US 92925855	A	19920806	
US 5271045	A	19931214	US 89430792	A	19891102	199350
			US 92927059	A	19920806	
US 5287390	A	19940215	US 89430792	A	19891102	199407
			US 92927057	A	19920806	
GB 2238650	B	19940824	GB 9023718	A	19901031	199431
FI 9403061	A	19940623	FI 905428	A	19901101	199433
			FI 943061	A	19940623	
FI 9403062	A	19940623	FI 905428	A	19901101	199433
			FI 943062	A	19940623	
FI 9403063	A	19940623	FI 905428	A	19901101	199433
			FI 943063	A	19940623	
US 5347553	A	19940913	US 89430792	A	19891102	199436
			US 92925855	A	19920806	
			US 93132699	A	19931006	
US 5353315	A	19941004	US 89430792	A	19891102	199439
			US 92927057	A	19920806	
			US 93174990	A	19931229	
US 5353316	A	19941004	US 89430792	A	19891102	199439
			US 92927057	A	19920806	
			US 93175284	A	19931229	
US 5355395	A	19941011	US 89430792	A	19891102	199440
			US 92927057	A	19920806	
			US 93174720	A	19931229	
US 5375150	A	19941220	US 89430792	A	19891102	199505
			US 92927057	A	19920806	
			US 93175308	A	19931229	
US 5394447	A	19950228	US 89430792	A	19891102	199514
			US 92927057	A	19920806	
			US 93175315	A	19931229	
US 5715178	A	19980203	US 89430792	A	19891102	199812
			US 92870455	A	19920415	
FI 108818	B1	20020328	FI 905428	A	19901101	200223
FI 108815	B1	20020328	FI 905428	A	19901101	200223
			FI 943063	A	19940623	
FI 108816	B1	20020328	FI 905428	A	19901101	200223
			FI 943062	A	19940623	
FI 108817	B1	20020328	FI 905428	A	19901101	200223
			FI 943061	A	19940623	

Priority Applications (No Type Date): US 89430792 A 19891102; US 92927051 A 19920806; US 92870131 A 19920415; US 92926860 A 19920806; US 92925855 A 19920806; US 92927059 A 19920806; US 92927057 A 19920806; US 93132699 A 19931006; US 93174990 A 19931229; US 93175284 A 19931229; US 93174720 A 19931229; US 93175308 A 19931229; US 93175315 A 19931229; US 92870455 A 19920415

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5227121	A		71	G21C-007/00	Div ex application US 89430792
US 5227122	A		73	G21C-017/00	Div ex application US 89430792
US 5265131	A		69	G21C-017/00	Div ex application US 89430792
US 5267277	A		93	G21C-007/00	
US 5267278	A		92	G21C-017/00	Div ex application US 89430792
US 5271045	A		92	G21C-007/00	Div ex application US 89430792
US 5287390	A			G21C-017/00	Div ex application US 89430792
GB 2238650	B			G21C-017/00	
FI 9403061	A			G08B-000/00	Div ex application FI 905428
FI 9403062	A			G08B-000/00	Div ex application FI 905428
FI 9403063	A			G08B-000/00	Div ex application FI 905428
US 5347553	A		69	G21C-017/00	Div ex application US 89430792
					Cont of application US 92925855
					Div ex patent US 5267277
					Cont of patent US 5267278
US 5353315	A		69	G21C-017/00	Div ex application US 89430792
					Cont of application US 92927057
					Div ex patent US 5267277
					Cont of patent US 5287390
US 5353316	A		70	G21C-017/00	Div ex application US 89430792
					Cont of application US 92927057
					Div ex patent US 5267277
					Cont of patent US 5287390
US 5355395	A		60	G21C-017/00	Div ex application US 89430792
					Cont of application US 92927057
					Div ex patent US 5267277
					Cont of patent US 5287390
US 5375150	A			G21C-017/00	Div ex application US 89430792
					Cont of application US 92927057
					Div ex patent US 5267277
					Cont of patent US 5287390
US 5394447	A		70	G21C-017/00	Div ex application US 89430792
					Cont of application US 92927057
					Div ex patent US 5267277
					Cont of patent US 5287390
US 5715178	A		68	G06F-017/18	Div ex application US 89430792
					Div ex patent US 5267277
FI 108818	B1			G21C-017/00	Previous Publ. patent FI 9005428
FI 108815	B1			G21C-017/00	Div ex application FI 905428
					Previous Publ. patent FI 9403063
FI 108816	B1			G21C-017/00	Div ex application FI 905428
					Previous Publ. patent FI 9403062
FI 108817	B1			G21C-017/00	Div ex application FI 905428
					Previous Publ. patent FI 9403061

Abstract (Basic): GB 2238650 A

A plant monitor system for displaying a plant parameter value comprises protection sensors, each of which generates a first set of respective value signals (P1, P2,,,PN) for the parameter and control sensors, each of which generates one of a second set respective value signals (C1, C2...CN) for the same parameter. A digital processor processes all the signals to generate a third set of display signals representing the value of each sensor. A fourth display signal is composed from the third set of signals to represent the parameter value. An operator interface is coupled to the digital processor and has display means for selectively displaying numeric values representing the third set of display signals and the fourth display signal. The digital processor has a logic means for composing the fourth signal from the third set of signals by discarding any signs in

the third set which denote from the average of the third set by more than a predetermined amt..

USE/ADVANTAGE - Plant monitoring system for a nuclear power plant integrates monitors, control and protection information during both normal and accident conditions, simplifying the operator's task in deciding a suitable course of action and aids rapid assessment. (160pp Dwg.No.1/4)

Title Terms: PLANT; MONITOR; SYSTEM; NUCLEAR; POWER; PLANT; INTEGRATE; MONITOR; CONTROL; PROTECT; INFORMATION; NORMAL; ACCIDENT; CONDITION; REDUCE; OPERATE; INFORMATION; OVERLOAD

Derwent Class: K05; X14

International Patent Class (Main): G06F-017/18; G08B-000/00; G21C-007/00; G21C-017/00

International Patent Class (Additional): G21D-003/04

File Segment: CPI; EPI

5/5/12 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

008061062 \*\*Image available\*\*

WPI Acc No: 1989-326174/198945

XRPX Acc No: N89-248295

**Hierarchical data storage system - has several levels with different access speeds, system manager, and I-O stations**

Patent Assignee: IBM CORP (IBMC ); INT BUSINESS MACHINES CORP (IBMC )

Inventor: HARDING W B; TENNISON R B; VOMASKA W O; TENNISON R D

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 340942	A	19891108	EP 89303930	A	19890420	198945 B
US 4974156	A	19901127	US 88190421	A	19880505	199050
EP 340942	A3	19920715	EP 89303930	A	19890420	199334
EP 340942	B1	19960207	EP 89303930	A	19890420	199610
DE 68925595	E	19960321	DE 625595	A	19890420	199617
			EP 89303930	A	19890420	

Priority Applications (No Type Date): US 88190421 A 19880505

Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 341230; US 4084231; US 4771375

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 340942 A E 8

Designated States (Regional): DE FR GB

EP 340942 B1 E 14 G06F-012/08

Designated States (Regional): DE FR GB

DE 68925595 E G06F-012/08 Based on patent EP 340942

Abstract (Basic): EP 340942 A

The hierarchical data storage system has several levels ranging from a fastest access top level through an intermediate level to a slowest access bottom level. Each level has an access path independent of the access paths to the other levels. A system manager controls operations within the system, such operations including generating copies of named data objects within the system and locating the same in one or more levels.

Copies of named data objects are migrated between the levels and a directory of the current location of each copy of each named data object is maintained within the system. Accessibility to data objects is provided within the system by name by reference to the directory and selection of that copy of a sought named data object to be in fastest accesses level, via the independent access path to that level.

11/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

04800614 \*\*Image available\*\*  
INFORMATION STORAGE DEVICE AND INFORMATION MANAGING METHOD

PUB. NO.: 07-093214 [JP 7093214 A]  
PUBLISHED: April 07, 1995 ( 19950407)  
INVENTOR(s): WATANABE HIROSHI  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 05-236923 [JP 93236923]  
FILED: September 22, 1993 (19930922)  
INTL CLASS: [6] G06F-012/08; G06F-012/08  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 42.5  
(ELECTRONICS -- Equipment)

#### ABSTRACT

PURPOSE: To shorten total access time by reducing the generation frequency of medium exchange work.

CONSTITUTION: Hierarchical order is set to respective media (recording media), when accessing data to the media, **hierarchical** orders are set **corresponding** to the frequency **levels** of **access** predicated to these data, and this order is managed on a cache managing table. In a fixed time cycle, the hierarchical orders of respective data stored on a cache memory 105 are investigated, and the data with the lowest access frequency are written out to the media to which the equal hierarchical order is set. Thus, the data with the almost equal access frequency can be recorded for each medium, and the generation frequency of medium exchange work inside an automatic changer 107 can be decreased.

11/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

03013768 \*\*Image available\*\*  
RECORD PROTECTING SYSTEM FOR DATA IN GRAPHIC

PUB. NO.: 01-311368 [JP 1311368 A]  
PUBLISHED: December 15, 1989 ( 19891215)  
INVENTOR(s): KURODA SUEHIRO  
SUZUKI KAZUTO  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 63-141707 [JP 88141707]  
FILED: June 10, 1988 (19880610)  
INTL CLASS: [4] G06F-015/60  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1015, Vol. 14, No. 114, Pg. 42, March  
02, 1990 (19900302)

#### ABSTRACT

PURPOSE: To attain the protection control of recorded data by **hierarchically** controlling data in a graphic, allocating keys expressing the existence of reading, correction and addition **rights corresponding** to data in respective **hierarchies**, and at the time of generating a request, collating respective keys.

CONSTITUTION: In case of executing an access such as correction and addition based upon a processing command from a command input part 1, a command processing part 4 successively collates data constituted of a tree structure from a protection key on the uppermost layer, repeats processing up to the arrival of a layer to be processed by the command processing, and if a data layer having no access right exists on the way, suspends the processing at that point. At the time of arriving at the command layer, a



data processing part 5 adds the command processing to the data layer to store it in a data part 6. In case of adding new data, data for determining the contents of the protection key of the data are extracted from a reference value data part 7 and the protection key is allocated to the addition data

11/5/4 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015696200 \*\*Image available\*\*  
WPI Acc No: 2003-758393/200372  
Related WPI Acc No: 1996-261839; 2003-169327; 2003-169328; 2003-405440;  
2003-405441; 2003-405442; 2003-405443; 2003-432297; 2003-758390;  
2003-758391; 2003-758392; 2003-758395; 2003-758396; 2004-328662;  
2004-328663; 2004-346909  
XRPX Acc No: N03-607720

**Digital work organized into acyclic structure for usage rights enforcement system includes description tree file with descriptor blocks organized in hierarchical manner**

Patent Assignee: CONTENTGUARD HOLDINGS INC (CONT-N)  
Inventor: PIROLLI P L; STEFIK M J  
Number of Countries: 003 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1349042	A2	20031001	EP 95308422	A	19951123	200372 B
			EP 200228101	A	19951123	
			EP 200315125	A	19951123	

Priority Applications (No Type Date): US 94344760 A 19941123  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1349042	A2	E	44	G06F-001/00	Div ex application EP 95308422 Div ex application EP 200228101 Div ex patent EP 1293860 Div ex patent EP 715247

Designated States (Regional): DE FR GB

Abstract (Basic): EP 1349042 A2

NOVELTY - The contents file includes information related to content that can be interpreted by an interpreter. A description **tree** file includes descriptor blocks organized in **hierarchical** manner. The descriptor blocks **contain** usage **rights** **associated** with the content.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a data structure for specifying usage rights.

USE - For distribution and usage rights enforcement for digitally encoded works in publishing and information industry.

ADVANTAGE - Permits owner of digital work to specify if constraints may be imposed on the work. The creator of a work may be assured that the rights and fees are not circumvented.

DESCRIPTION OF DRAWING(S) - The figure shows a flow chart illustrating a simple instantiation of the operation of digital work organized into acyclic structure.

pp; 44 DwgNo 1/19

Title Terms: DIGITAL; WORK; ORGANISE; ACYCLIC; STRUCTURE; SYSTEM; DESCRIBE; TREE; FILE; DESCRIBE; BLOCK; ORGANISE; HIERARCHY; MANNER

Derwent Class: T01

International Patent Class (Main): G06F-001/00

File Segment: EPI

11/5/5 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015330268 \*\*Image available\*\*

WPI Acc No: 2003-391203/200337

XRPX Acc No: N03-312453

**Implementation of universal login through web browser for providing remote access to client terminals on electronic networks, involves providing remote user with access to client terminal in response to lower level credential data input**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: TRAN T M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6505238	B1	20030107	US 99377640	A	19990819	200337 B

Priority Applications (No Type Date): US 99377640 A 19990819

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6505238	B1	16	G06F-009/00	

Abstract (Basic): US 6505238 B1

**NOVELTY** - The method involves providing a remote user with access to the user's client terminal environment in response to the input of lower level credential information on the web browser by the user, in which the lower level credential information provides authorized access to the client terminal environment of a particular user through directory access protocol.

**DETAILED DESCRIPTION** - The method begins by organizing a network into a directory tree hierarchical structure using the directory access protocol. The hierarchical structure comprises of a lower level having at least one client terminal and **associated** client terminal environment with localized software applications. A particular level of the **hierarchical** structure of the network, **corresponding** to an amount of address and **credential** information entered by the remote user, is opened in response to the remote user input from a web browser. The credential information includes user identification and user password. The user ID and password are then checked against a list of user IDs located within the directory tree hierarchical structure for a match of the credential information. The user client terminal environment is simulated only when the user ID and password match those found in the directory tree hierarchical structure. **INDEPENDENT CLAIMS** are included for the following:

(a) the remote access system to user client terminal environment on a network connected to the Internet; and

(b) the computer program product for implementing remote access to user's client terminal environment on a network from a remote data processing system.

**USE** - For providing remote access to client terminals on electronic networks using web browser application and the Internet.

**ADVANTAGE** - Ensures improved electronic network in which remote access to client terminals is possible. Ensures remote login to a client terminal or workstation connected to electronic network using web browser application over the Internet and a modified directory access protocol. Improves the usability and flexibility of the Internet and describes a new and efficient method to allow end users to universally login to their workstation or work domain from anywhere in the world.

**DESCRIPTION OF DRAWING(S)** - The figure shows the high-level logical flowchart depicting the process of enabling a client terminal simulation on a web page in accordance with a preferred implementation of universal login through web browser.

pp; 16 DwgNo 5/5

Title Terms: IMPLEMENT; UNIVERSAL; THROUGH; WEB; REMOTE; ACCESS; CLIENT; TERMINAL; ELECTRONIC; NETWORK; REMOTE; USER; ACCESS; CLIENT; TERMINAL; RESPOND; LOWER; LEVEL; DATA; INPUT

Derwent Class: T01; W01

International Patent Class (Main): G06F-009/00

File Segment: EPI

11/5/6 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

015105727 \*\*Image available\*\*  
WPI Acc No: 2003-166244/200316  
Related WPI Acc No: 2001-089901; 2001-299032; 2001-638150; 2002-470362;  
2003-274759; 2003-707196  
XRPX Acc No: N03-131315

**Proxy system for data provision system, retrieves requested object from object storage device using combination of object locator obtained from request together with state and authorization information**

Patent Assignee: COMPAQ COMPUTER CORP (COPQ ); HEWLETT-PACKARD DEV CO LP (HEWP )

Inventor: PRONEV S B; STARNES D J; STEWART C H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020169818	A1	20021114	US 9885309	P	19980513	200316 B
			US 98133497	A	19980812	
			US 2002128778	A	20020424	
US 6675214	B2	20040106	US 9885309	P	19980513	200411
			US 98133497	A	19980812	
			US 2002128778	A	20020424	

Priority Applications (No Type Date): US 9885309 P 19980513; US 98133497 A 19980812; US 2002128778 A 20020424

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020169818	A1		25	G06F-015/16	Provisional application US 9885309

					Cont of application US 98133497
					Cont of patent US 6389460
US 6675214	B2			G06F-015/173	Provisional application US 9885309
					Cont of application US 98133497
					Cont of patent US 6389460

Abstract (Basic): US 20020169818 A1

NOVELTY - An object storage device **stores** objects in **directories**, based on object locator **associated** with the network, and state and **authorization** information. A proxy server (102) connected between user terminals and computer network, retrieves requested object from object storage device using combination of object locator obtained from request together with state and authorization information associated with request.

USE - For data provision system.

ADVANTAGE - Efficiently and rapidly stores and retrieves data from data store and provides an efficient database structure.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the proxy system.

Proxy server (102)

pp; 25 DwgNo 1/9

Title Terms: SYSTEM; DATA; PROVISION; SYSTEM; RETRIEVAL; REQUEST; OBJECT; OBJECT; STORAGE; DEVICE; COMBINATION; OBJECT; LOCATE; OBTAIN; REQUEST; STATE; AUTHORISE; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-015/16; G06F-015/173

File Segment: EPI

11/5/7 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

014111299 \*\*Image available\*\*  
WPI Acc No: 2001-595511/200167  
XRPX Acc No: N01-443798

**Paged memory accessing system for memory management in computer system, has processor accessing pages in memory through page directory and page**

**table entries**

Patent Assignee: INTEL CORP (ITLC )  
Inventor: BIGBEE B E; HACKING L E; SHAHIDZADEH S; THAKKAR S S  
Number of Countries: 001 Number of Patents: 001  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
US 6289431 B1 20010911 US 9813414 A 19980126 200167 B

Priority Applications (No Type Date): US 9813414 A 19980126

**Patent Details:**

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6289431 B1 18 G06F-012/02

Abstract (Basic): US 6289431 B1

NOVELTY - A processor accesses pages in memory having different page sizes through 4 byte page directory entry (222) and a corresponding 4 byte page table entry (232) that **store** base physical address (242). The page table entry inherits **permissions** from the page **directory** entry.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for paged memory accessing method.

USE - For memory management in computer system.

ADVANTAGE - The processor can access more than 4 gigabytes of physical memory, while maintaining 4 kilobyte pages, thus reducing modifications to existing operating system.

DESCRIPTION OF DRAWING(S) - The figure shows 32 bit linear address scheme for accessing 4 kilobyte pages in physical memory up to 4 gigabyte in size.

4 byte page directory entry (222)

4 byte page table entry (232)

Base physical address (242)

pp; 18 DwgNo 2/10

Title Terms: PAGE; MEMORY; ACCESS; SYSTEM; MEMORY; MANAGEMENT; COMPUTER; SYSTEM; PROCESSOR; ACCESS; PAGE; MEMORY; THROUGH; PAGE; DIRECTORY; PAGE; TABLE; ENTER

Derwent Class: T01

International Patent Class (Main): G06F-012/02

File Segment: EPI

**11/5/8 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012628589 \*\*Image available\*\*

WPI Acc No: 1999-434693/ **199937**

XRPX Acc No: N99-324022

**Copyright information management system for audio and video disk - stores intellectual property right data in hierarchical format, which is then displayed as real-time serial data**

Patent Assignee: DAINIPPON SCREEN SEIZO KK (DNIS )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week  
JP 11175618 A 19990702 JP 97338856 A 19971209 199937 B

Priority Applications (No Type Date): JP 97338856 A 19971209

**Patent Details:**

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 11175618 A 25 G06F-017/60

Abstract (Basic): JP 11175618 A

NOVELTY - The information about intellectual property rights of specific stored data is **stored** as real-time serial data in the arbitrary areas of a memory. The **hierarchical** format of intellectual property **rights** is **stored** separately. The real-time display about the open or ending point of a real-time serial data is carried out along with hierarchical data.

USE - For audio and video magnetic disk in computer.

ADVANTAGE - As real-time display in correspondence with hierarchical data is carried out, designation of specific data is simplified. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of copyright management system.

Dwg.1/21

Title Terms: INFORMATION; MANAGEMENT; SYSTEM; AUDIO; VIDEO; DISC; STORAGE; INTELLIGENCE; PROPERTIES; RIGHT; DATA; HIERARCHY; FORMAT; DISPLAY; REAL; TIME; SERIAL; DATA

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-017/30

File Segment: EPI

11/5/9 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

011372669 \*\*Image available\*\*

WPI Acc No: 1997-350576/ 199732

XRFX Acc No: N97-290641

**Directory accessing method in wide area network from computer - involve verifying user identification number and matching password to determine initial access right to number of directories and locating item to be searched by performing a search in number of directories in wide area network for item**

Patent Assignee: INTEL CORP (ITLC )

Inventor: MURPHY S T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5644711	A	19970701	US 95451754	A	19950526	199732 B

Priority Applications (No Type Date): US 95451754 A 19950526

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5644711	A		10		

Abstract (Basic): US 5644711 A

The method involves transmitting a user identification number, a matching password and a directory query request from the computer to the wide area network. A directory query request requests an item to be searched in a number of directories in a wide area network. The user identification number and the matching password are verified to determine initial access rights to the number of directories.

The item to be searched is located by performing a search in the number of directories in the wide area network for the item once the user identification number and matching password are verified for initial access to the number of directories. The located item is returned to the computer if the user identification number and the matching password allow the final access **rights** to the specific **directory** in the wide area network which **contains** the located item.

ADVANTAGE - Restricts directory access to those who have proper security access.

Dwg.2/4

Title Terms: DIRECTORY; ACCESS; METHOD; WIDE; AREA; NETWORK; COMPUTER; VERIFICATION; USER; IDENTIFY; NUMBER; MATCH; PASSWORD; DETERMINE; INITIAL ; ACCESS; RIGHT; NUMBER; DIRECTORY; LOCATE; ITEM; SEARCH; PERFORMANCE; SEARCH; NUMBER; DIRECTORY; WIDE; AREA; NETWORK; ITEM

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

11/5/10 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010755766      \*\*Image available\*\*

WPI Acc No: 1996-252721/ 199626

XRPX Acc No: N96-212413

**Protection mechanism preventing unauthorised access to technical system resources of numerical machine tool or robot - stores access rights within numerical controller using hierarchy of numerical values, and determines whether user group value is greater or less than value defined for system resource**

Patent Assignee: SIEMENS AG (SIEI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29604605	U1	19960523				199626 B

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 29604605	U1	14	G05B-019/406	

Abstract (Basic): DE 29604605 U

The mechanism **stores** access **rights** internally within the numerical controller using a **hierarchy** of numerical values (1-5), where a larger number represents more extensive access **rights**. Users or operators (B1-B7) with the same access rights are combined into user groups. Different user groups are differently organised hierarchically.

Machine data of the numerical controller are used to alter which user groups have access rights to which technical system resources (R1-R9). Each user or operator has a unique identifier for the numerical controller which can be associated with a user group via machine data. A mechanism for checking adequate access rights when a resource access is attempted performs a comparison to determine whether the user group value is greater or less than the value defined for the system resource.

USE/ADVANTAGE - Ensures that groups of users only have access to those system resources which they require, e.g. to technical functions and data.

Dwg.1/3

Title Terms: PROTECT; MECHANISM; PREVENT; UNAUTHORISED; ACCESS; TECHNICAL; SYSTEM; RESOURCE; NUMERIC; MACHINE; TOOL; ROBOT; STORAGE; ACCESS; NUMERIC; CONTROL; HIERARCHY; NUMERIC; VALUE; DETERMINE; USER; GROUP; VALUE; GREATER; LESS; VALUE; DEFINE; SYSTEM; RESOURCE

Derwent Class: T05; X25

International Patent Class (Main): G05B-019/406

International Patent Class (Additional): G07C-011/00

File Segment: EPI

11/5/11      (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010544962

WPI Acc No: 1996-041915/ 199605

XRPX Acc No: N96-035158

**Data packet routing method e.g. for ATM communication - using packets with at least two headers including virtual channel and virtual path identifiers for switching and PTN routing control**

Patent Assignee: ALCATEL BUSINESS SYSTEMS LTD (ALCA-N); FRANCE TELECOM (ETFR ); ALCATEL (COGE ); ALCATEL BUSINESS SYSTEMS (ALCA-N); ALCATEL BUSINESS SYSTEMS LTD (COGE )

Inventor: FRANCOIS J; HAMIDI R; LE PADELLEC P; QUINQUIS J; QUINQUIS J P

Number of Countries: 008 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 689320	A1	19951227	EP 95401449	A	19950620	199605 B
WO 9535613	A1	19951228	WO 95FR816	A	19950620	199606
FR 2721783	A1	19951229	FR 947656	A	19940622	199608

CA 2152306	A	19951223	CA 2152306	A	19950621	199616
JP 9504929	W	19970513	WO 95FR816	A	19950620	199729
			JP 96501759	A	19950620	
US 5638377	A	19970610	US 95493394	A	19950621	199729
EP 689320	B1	20030226	EP 95401449	A	19950620	200316
DE 69529702	E	20030403	DE 629702	A	19950620	200330
			EP 95401449	A	19950620	

Priority Applications (No Type Date): FR 947656 A 19940622

Cited Patents: 3.Jnl.Ref; JP 5037547; JP 5199228

Patent Details:

Patent No.	Kind	Lan	Pg	Main IPC	Filing Notes
EP 689320	A1	F	30	H04L-012/56	
Designated States (Regional): DE ES GB IT					
WO 9535613	A1	E	53	H04L-012/56	
Designated States (National): JP					
FR 2721783	A1			H04L-012/56	
CA 2152306	A	F		G06F-013/42	
JP 9504929	W		61	H04L-012/28	Based on patent WO 9535613
US 5638377	A		24	H04L-012/56	
EP 689320	B1	F		H04L-012/56	
Designated States (Regional): DE ES GB IT					
DE 69529702	E			H04L-012/56	Based on patent EP 689320

Abstract (Basic): EP 689320 A

The method involves emitting a packet (41) with a virtual channel and a virtual path for use on a private network. The virtual channel consists of 12 bits with the four msb having a predetermined value. The virtual path contains 16 bits with the eight msb storing self-routing data. The packet is channelled (42) to a node connected with the PTN.

The private virtual path is shifted to a reserved zone within the header and replaced (43) by a public virtual path. The packet is then routed (44) through the PTN to be received at another node of the private network. The public virtual path is replaced (45) by a stored private virtual path from the zone prior to routing (46) to its destination.

ADVANTAGE - Compatible with all network patterns and combinations of patterns. Simple interconnection to sub-networks. Requires small memory capacity. Provides automatic self-routing. Data integrity maintained.

Dwg.0/4

Title Terms: DATA; PACKET; ROUTE; METHOD; ATM; COMMUNICATE; PACKET; TWO; HEADER; VIRTUAL; CHANNEL; VIRTUAL; PATH; IDENTIFY; SWITCH; ROUTE; CONTROL

Derwent Class: W01

International Patent Class (Main): G06F-013/42; H04L-012/28; H04L-012/56

International Patent Class (Additional): H04L-012/66; H04Q-003/00; H04Q-011/04

File Segment: EPI

11/5/12 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010330219 \*\*Image available\*\*

WPI Acc No: 1995-231911/ 199531

XPX Acc No: N95-180854

**data processing system e.g. for generating ticket authorisation - uses authorisation mechanism which generates corresp authorisation ticket, which includes access right of client and is encrypted with encryption key derived from password of server**

Patent Assignee: WANG LAB INC (WANG ); RICOS INT INC (RICO-N)

Inventor: RUSSELL E A

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2102743	A	19950504	CA 2102743	A	19931109	199531 B
US 5455953	A	19951003	US 93143163	A	19931103	199545

Priority Applications (No Type Date): US 93143163 A 19931103

## Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2102743	A		55	G06F-013/42	
US 5455953	A		24	G06F-013/14	
CA 2102743	C	E		G06F-013/42	

Abstract (Basic): CA 2102743 A

The system includes client and server mechanisms. The server mechanism includes a server resource and an **authorisation** mechanism. The latter includes a **directory** server for **storing** and providing access **rights** of the client mechanism to the server resource.

The client mechanism generates operation requests for operations to be performed by the server w.r.t. the server resource. The client mechanism generates a request to authorisation mechanism for an authorisation ticket to the server resource and the authorisation mechanism for authorisation ticket to the server resource and the authorisation mechanism responds to a request for an authorisation ticket by returning an authorisation ticket contg an identification of client.

USE/ADVANTAGE - For sharing commination connections between client and server e.g. for polling of server worker process. Provision for compatibility of client and server platforms. Prevention danger of potential security problems since all servers must have access to directory server to exclude false server against penetration system security

Dwg.1/8

Title Terms: DATA; PROCESS; SYSTEM; GENERATE; TICKET; AUTHORISE; AUTHORISE; MECHANISM; GENERATE; CORRESPOND; AUTHORISE; TICKET; ACCESS; RIGHT; CLIENT; ENCRYPTION; ENCRYPTION; KEY; DERIVATIVE; PASSWORD; SERVE

Derwent Class: T01

International Patent Class (Main): G06F-013/14; G06F-013/42

International Patent Class (Additional): H04L-009/00

File Segment: EPI

11/5/13 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009770486 \*\*Image available\*\*

WPI Acc No: 1994-050337/ 199407

XRPX Acc No: N94-039663

**Integrated circuit card for controlling access to files contained in card**  
**- has access condition controllers with access key designation table**  
**indicating which keys require verification**

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU ); MATSUSHITA ELEC  
 IND CO LTD (MATU ); MATSUSHITA DENKI SANGYO KK (MATU )

Inventor: MURAI N; MUTOH Y; NAKATOMI T; TAKAGI N; UEDA M

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 583006	A2	19940216	EP 93112836	A	19930811	199407 B
US 5408082	A	19950418	US 93105646	A	19930812	199521
EP 583006	A3	19940518	EP 93112836	A	19930811	199524
EP 583006	B1	19980909	EP 93112836	A	19930811	199840
DE 69320900	E	19981015	DE 620900	A	19930811	199847
			EP 93112836	A	19930811	
KR 9706648	B1	19970429	KR 9315609	A	19930812	199940

Priority Applications (No Type Date): JP 92279884 A 19921019; JP 92215817 A  
 19920813

Cited Patents: -SR.Pub; EP 479655; FR 2635891; WO 9213322

## Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 583006	A2	E	28	G06K-019/07	



Designated States (Regional): DE FR GB  
US 5408082 A 26 G06K-019/06  
EP 583006 B1 E G06K-019/07  
Designated States (Regional): DE FR GB  
DE 69320900 E G06K-019/07 Based on patent EP 583006  
EP 583006 A3 G06K-019/07  
KR 9706648 B1 G06K-019/06

Abstract (Basic): EP 583006 A

The integrated circuit card includes a processing controller and a non-volatile memory. The memory has several files in a hierarchical structure. Each file has an access conditions controller relating to the level number of the **hierarchical** structure. A volatile memory has several key data fields **corresponding** to the **level** numbers. The **access** conditions controller limits the level number.

Each file contains level number information and parent file information. The key data fields obtain the lowest level number of common branches in the structure of a selected file and a newly selected file. Level information is held in the key field and other field information is abandoned.

USE/ADVANTAGE - Controlling using key referencing data, access to several files contained within card. Compatible with hierarchical file structure. Maintains file confidentiality.

Dwg.1/23

Title Terms: INTEGRATE; CIRCUIT; CARD; CONTROL; ACCESS; FILE; CONTAIN; CARD  
; ACCESS; CONDITION; CONTROL; ACCESS; KEY; DESIGNATED; TABLE; INDICATE;  
KEY; REQUIRE; VERIFICATION

Derwent Class: T01; T04

International Patent Class (Main): G06K-019/06; G06K-019/07

International Patent Class (Additional): G06K-019/073

File Segment: EPI

11/5/14 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

009296977 \*\*Image available\*\*  
WPI Acc No: 1992-424387/ 199251  
XRPX Acc No: N92-323892

**Data sorting circuit for software performance analysis - includes circuit having several levels, each having two sets of latches, RAM and digital comparator**

Patent Assignee: TEKTRONIX INC (TEKT )  
Inventor: EVERSON D D; KOSLOWSKI S R; LANTZ P R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5168567	A	19921201	US 89358216	A	19890530	199251 B

Priority Applications (No Type Date): US 89358216 A 19890530

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5168567	A		6	G06F-007/22	

Abstract (Basic): US 5168567 A

The data sorting circuit includes a data storage element with an input receiving a data item from a data storage element output on an immediately preceding level, where the storage element stores the data item and provides the data item as an output. A RAM is preprogrammed with information regarding the boundaries of the contiguous data ranges and defining decision **points** of a binary **tree**. The RAM is addressed by address data from an immediately preceding **level** to **access** a **stored** value and supply the stored value as an output.

A comparator is coupled to compare the output of the data storage element and the output of the RAM and produces an additional address bit for a next level. A results storage element has an input to receive address data from the immediately preceding level and an output

providing the address data to the next level.

USE/ADVANTAGE - For counting occurrence of address calls. Rapid operation within large number of data ranges. Requires only linearly increasing amount of hardware to monitor exponentially increasing number of data ranges.

Dwg.1/1

Title Terms: DATA; SORT; CIRCUIT; SOFTWARE; PERFORMANCE; ANALYSE; CIRCUIT; LEVEL; TWO; SET; LATCH; RAM; DIGITAL; COMPARATOR

Derwent Class: T01

International Patent Class (Main): G06F-007/22

File Segment: EPI

11/5/16 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

008434983 \*\*Image available\*\*

WPI Acc No: 1990-321983/ 199043

XRPX Acc No: N90-246663

**Hierarchical cellular static store occupying smaller chip surface - reduces read-out circuit complexity with strong row signals delivered by cells at critical surface requirement levels**

Patent Assignee: SIEMENS AG (SIEI )

Inventor: HOPPE B; MATTAUSCH H J; NEUENDORF G; PFLEIDERER H J; SCHMITTLAN D ; WURM M; MATTAUSCH H; PFLEIDERER H; SCHMITT-LANDSIEDEL D

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 393434	A	19901024	EP 90106587	A	19900406	199043 B
US 5170375	A	19921208	US 90488612	A	19900227	199252
			US 91782798	A	19910918	
EP 393434	A3	19920708	EP 90106587	A	19900406	199334
EP 393434	B1	19960103	EP 90106587	A	19900406	199606
DE 59010018	G	19960215	DE 510018	A	19900406	199612
			EP 90106587	A	19900406	

Priority Applications (No Type Date): DE 3913209 A 19890421

Cited Patents: NoSR.Pub; 8.Jnl.Ref; EP 393435; WO 8700339

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 393434	A				
-----------	---	--	--	--	--

Designated States (Regional): DE FR GB IT

US 5170375	A	18	G11C-007/00	Cont of application US 90488612
------------	---	----	-------------	---------------------------------

EP 393434	B1 G	29	G11C-005/02	
-----------	------	----	-------------	--

Designated States (Regional): DE FR GB IT

DE 59010018	G		G11C-005/02	Based on patent EP 393434
-------------	---	--	-------------	---------------------------

Abstract (Basic): EP 393434 A

In e.g. a 64K static CMOS random- **access** memory, the lowest **level** (H0) of the **hierarchy** **contains** a single cell, while the next level (H1) is an 8 x 8 array with all columns linked to an input/output circuit (D11/0).

The third level (H2) has one I/O circuit (D21/0) for each row of 64-cell elements, and the top level (H3) one per row of 4K memory blocks, connected to an amplifier and buffer (V).

ADVANTAGE - A more compact store is achieved with faster access time, having the peripheral row and column circuits implemented at the upper hierarchical levels. (19pp Dwg.No.2/6

Title Terms: HIERARCHY; CELLULAR; STATIC; STORAGE; OCCUPY; SMALLER; CHIP; SURFACE; REDUCE; READ; CIRCUIT; COMPLEX; STRONG; ROW; SIGNAL; DELIVER; CELL; CRITICAL; SURFACE; REQUIRE; LEVEL

Derwent Class: U14

International Patent Class (Main): G11C-005/02; G11C-007/00

International Patent Class (Additional): G11C-008/00; G11C-011/41;

G11C-011/417; G11C-011/418; G11C-011/419

File Segment: EPI

11/5/17 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

008121714 \*\*Image available\*\*  
WPI Acc No: 1990-008715/ 199002  
XRPX Acc No: N90-006716

**Cache storage system for multiprocessor - shares level two cache  
according to priority algorithm and invalidates data until it is updated**  
Patent Assignee: IBM CORP (IBMC ); INT BUSINESS MACHINES CORP (IBMC )  
Inventor: GALLAGHER P W; GREGOR S L; REEVE S M  
Number of Countries: 005 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 348628	A	19900103	EP 89107502	A	19890426	199002 B
BR 8903161	A	19900206				199011
US 5276848	A	19940104	US 88212561	A	19880628	199402
			US 91750430	A	19910820	

Priority Applications (No Type Date): US 88212561 A 19880628; US 91750430 A 19910820

Cited Patents: 1.Jnl.Ref; A3...9102; EP 220990; GB 2011667; GB 2056135; GB 2178205; No-SR.Pub; US 4323968

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 348628	A	E 103		

Designated States (Regional): DE FR GB  
US 5276848 A 73 G06F-013/00 Cont of application US 88212561

Abstract (Basic): EP 348628 A

The multi-processor system uses main storage and caches. Each processor has a cache, which is called a first-level cache, and these all interface with a single, second-level, cache, which in turn interfaces with the main storage. There is a central **directory containing** only first level cache information. Requests to **access** the second **level** cache are controlled and assigned priorities by a controller. Access by first level caches to the second level one is governed by priority on a round robin basis, that is waiting requests are serviced in a continuous, circulating sequence. The central directory is able to compare the data in the first level caches with that in the second, and to inhibit reading from any which is found not to be consistent with it. Thus after any modification to the second level cache corresponding data in the first is invalid until modified.

ADVANTAGE - Data organised and consistency maintained.

1/5

Title Terms: CACHE; STORAGE; SYSTEM; MULTIPROCESSOR; SHARE; LEVEL; TWO;  
CACHE; ACCORD; PRIORITY; ALGORITHM; INVALID; DATA; UPDATE

Derwent Class: T01

International Patent Class (Additional): G06F-012/08; G06F-013/14

File Segment: EPI

11/5/18 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

007984972 \*\*Image available\*\*  
WPI Acc No: 1989-250084/ 198935  
XRPX Acc No: N89-190632

**Store queue for tightly coupled multiple processor configuration - has  
several write buffers for storing instructions and data from second level  
store queue prior to storage in second level of cache**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )  
Inventor: GREGOR S L; LEE G S  
Number of Countries: 007 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
-----------	------	------	-------------	------	------	------

EP 329942	A	19890830	EP 89100716	A	19890117	198935 B
BR 8900552	A	19891017				198947
US 5023776	A	19910611	US 88159016	A	19880222	199126
CA 1315896	C	19930406	CA 588790	A	19890120	199319
EP 329942	B1	19950426	EP 89100716	A	19890117	199521
DE 68922326	E	19950601	DE 622326	A	19890117	199527
			EP 89100716	A	19890117	

Priority Applications (No Type Date): US 88159016 A 19880222

Cited Patents: 4.Jnl.Ref; A3...9035; EP 166192; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 329942	A	E	85		
-----------	---	---	----	--	--

Designated States (Regional): DE FR GB IT

EP 329942	B1	E	89	G06F-012/08
-----------	----	---	----	-------------

Designated States (Regional): DE FR GB IT

DE 68922326	E	G06F-012/08	Based on patent EP 329942
-------------	---	-------------	---------------------------

CA 1315896	C	G06F-012/08	
------------	---	-------------	--

Abstract (Basic): EP 329942 A

The multiprocessor system includes a system of store queues and write buffers in a hierarchical first level and second level memory system including a first level store queue (18B1) for storing instructions and/or data from a processor (20B) of the multiprocessor system prior to storage in a first level of cache (18B). A second level store queue (26A2) stores the instructions and/or data from the first level store queue (18B1) and several write buffers (26A2(A); 26A2(B)) for storing the instructions and/or data from the second level **store** queue prior to storage in a second level of cache. The multiprocessor system includes **hierarchical** levels of caches and write buffers. When **stored** in the second **level** write buffers, **access** to the shared second level cache is requested; and, when access is granted, the data and/or instructions is moved from the second level write buffers to the shared second level cache.

When stored in the shared second level cache, corresponding obsolete entries in the first level of cache are invalidated before any other processor 'sees' the obsolete data and the new data and/or instructions are over-written in the first level of cache.

File 275:Gale Group Computer DB(TM) 1983-2004/Jul 23  
     (c) 2004 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Jul 23  
     (c) 2004 The Gale Group  
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Jul 23  
     (c) 2004 The Gale Group  
 File 16:Gale Group PROMT(R) 1990-2004/Jul 23  
     (c) 2004 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
     (c) 1999 The Gale Group  
 File 148:Gale Group Trade & Industry DB 1976-2004/Jul 23  
     (c)2004 The Gale Group  
 File 624:McGraw-Hill Publications 1985-2004/Jul 20  
     (c) 2004 McGraw-Hill Co. Inc  
 File 15:ABI/Inform(R) 1971-2004/Jul 23  
     (c) 2004 ProQuest Info&Learning  
 File 647:CMP Computer Fulltext 1988-2004/Jul W2  
     (c) 2004 CMP Media, LLC  
 File 674:Computer News Fulltext 1989-2004/Jul W1  
     (c) 2004 IDG Communications  
 File 696:DIALOG Telecom. Newsletters 1995-2004/Jul 22  
     (c) 2004 The Dialog Corp.  
 File 369:New Scientist 1994-2004/Jul W2  
     (c) 2004 Reed Business Information Ltd.

Set	Items	Description
S1	46679	(SINGLE OR ONE OR ENTIRE OR WHOLE OR EACH OR EVERY OR ALL)- (5W) (DIRECTORY OR DIRECTORIES OR TREE? ? OR HIERARCH?)
S2	1770	(ALL OR EVERY) (5W) FOLDERS
S3	1981095	RIGHTS OR PERMISSIONS OR PRIVILEGE? ? OR AUTHORIZATION? ? - OR AUTHORISATION? ? OR CLEARANCE? ? OR CREDENTIAL? ?
S4	61845	ACCESS(3N) (LEVEL? ? OR TYPE? ? OR GRADE OR GRADES)
S5	578	S3:S4(10N)S1:S2
S6	378	RD (unique items)
S7	287	S6 NOT PY=2000:2004
S8	1396	S3:S4(7N) (MAP???? OR ASSOCIAT??? OR CORRELAT??? OR REFER??? OR CORRESPOND??? OR POINT??? OR CONTAIN??? OR STORE? ? OR ST- ORING OR HOLD??? OR HELD) (7N) (DIRECTORY OR DIRECTORIES OR TRE- E? ? OR HIERARCH? OR FOLDERS)
S9	5299	SAME(5W) (DIRECTORY OR DIRECTORIES OR TREE? ? OR HIERARCH?)
S10	115	S3:S4(7N) (MAP???? OR ASSOCIAT??? OR CORRELAT??? OR REFER??? OR CORRESPOND??? OR POINT??? OR CONTAIN??? OR STORE? ? OR ST- ORING OR HOLD??? OR HELD) (7N) (S1:S2 OR S9)
S11	75	RD (unique items)
S12	51	S11 NOT PY=2000:2004
S13	44	S12 NOT PD=19990120:19991231

13/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

02202053 SUPPLIER NUMBER: 20879121 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Share the wealth: principles of UNIX and NT file sharing, permissions and  
ownerships. (Technology Information)**  
Williams, G. Robert  
HP Professional, v12, n6, pS4(4)  
June, 1998  
ISSN: 0896-145X LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2775 LINE COUNT: 00249

... UNIX file permissions and ownership is set. The following dissects  
the output of a long list:

- \* First column: Identifies the type of file and its **associated permissions**.
- \* Second column: Indicates the number of links existing for a file or a directory; **all** files except **directories** register a 1, unless they are linked to another file name.
- \* Third column: Lists the owner of the file.
- \* Fourth column: Identifies group ownership.
- \* Fifth...

13/3,K/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

02057751 SUPPLIER NUMBER: 19334860 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The promise of LDAP. (Lightweight Directory Access Protocol) (Technology  
Information)**  
Plain, Stephen W.  
Computer Shopper, v17, n5, p574(3)  
May, 1997  
ISSN: 0886-0556 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2237 LINE COUNT: 00180

...ABSTRACT: lets different types of directory services communicate. A  
Directory Information Tree (DIT) acts as an object-oriented tree with  
strict definitions of what information is **stored** at **each level**.  
**Directory Access** Protocol (DAP) performs communication between X.500  
servers, or Directory System Agents, and Directory User Agents (DUA). LDAP  
is a simplified version of DAP created...

13/3,K/3 (Item 3 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01915608 SUPPLIER NUMBER: 18109725 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The preferred tree-trimmer's tool. (Preferred Systems DS Standard NDS  
Manager) (includes related article on executive summary) (Software  
Review) (Evaluation)**  
Kalman, Steve  
LAN Magazine, v11, n4, p142(5)  
April, 1996  
DOCUMENT TYPE: Evaluation ISSN: 1069-5621 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4497 LINE COUNT: 00338

... rights. However, users in other branches of the tree have no such  
default inheritance. To protect against a common mistake, an administrator  
might use a **container** with those **rights** as a template to be applied  
against other **containers** in the **same** section of the **tree**. When that  
model is used to create a live tree ("configured," in DS Standard  
terminology), those file system rights will be added, too.

These templates...

13/3,K/4 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01903262 SUPPLIER NUMBER: 18011469 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Comparing HTTP servers for Macintosh, Unix and Windows. (includes related article on Web benchmark, FTP) (Buyers Guide)**  
Dyson, Peter E.  
Seybold Report on Desktop Publishing, v10, n6, p10(13)  
Feb 19, 1996  
DOCUMENT TYPE: Buyers Guide ISSN: 0889-9762 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 11629 LINE COUNT: 00899

... directory.) You can specify that certain files in a directory should be suppressed from automatic directory indexes.

You can also create access-control files for **each** branch of your document **tree**. These files **contain** lists of **authorization** realms that will be permitted or denied access to the branch. From what we could see in perusing the server documentation, you have roughly as...

13/3,K/5 (Item 5 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01861495 SUPPLIER NUMBER: 17433066 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**All quiet on the NetWare front. (how to secure four weak areas on NetWare networks) (Special Report) (Product Support) (Tutorial)**  
Runyan, Pete  
LAN Magazine, p142(6)  
Oct, 1995  
DOCUMENT TYPE: Tutorial ISSN: 1069-5621 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4939 LINE COUNT: 00401

... her home directory. This allows the user complete control over a personal area. For generic network accounts such as Guest, disallow supervisory and Access Control **rights** in the home directory to **contain** any problems in a **single** area. Furthermore, concerning users' home **directories**, it's also a great idea to restrict the amount of volume space a user has access to using either the DSPACE or SYSCON utility...

13/3,K/6 (Item 6 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01840354 SUPPLIER NUMBER: 17413875 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Useful but needs modern features. (Opus One's WinMail 1.5c E-mail software) (One of 11 evaluations of six E-mail packages in "Lab test E-mail packages) (Software Review) (Evaluation)**  
PC User, n264, p116(2)  
July 26, 1995  
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 623 LINE COUNT: 00050

... of the folder -- who the sender is or what the contents are, for example -- it will intercept the mail from the general in-box and **store** it to itself.

**All folders** ' Secretaries have equal **rights** to an incoming piece of mail, so mail can be **stored** to multiple folders. Popup reminders can be set up to alert users about the presence of newly arrived mail.

Incoming mail has three different colours...

13/3,K/7 (Item 7 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01837993 SUPPLIER NUMBER: 17454777 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Purveyor. (Process Software Corp) (one of five evaluations of World Wide Web  
server software in "Windows NT Based Servers What's The Rush") (Software  
Review) (Evaluation)**  
Reichard, Kevin  
PC Magazine, v14, n17, p243(3)  
Oct 10, 1995  
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 996 LINE COUNT: 00080

... most distinguishes it from the freely available HTTP, is its  
extensive permission-setting capabilities, which form the basis of its  
security mechanisms. You can set **permissions** for **every** file, **directory**  
, group of files, or group of directories on your data structure and  
**associate** them with a wide range of criteria.

Purveyor accomplishes this through access control, which can be set up  
through four criteria: the type of access...

13/3,K/8 (Item 8 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01703090 SUPPLIER NUMBER: 16240144 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**NetWare 4.x - without the headaches. (includes a related article on NetWare  
4.x terminology)**  
Hume, Barbara; Ogden, Charles  
LAN Magazine, v9, n10, p107(5)  
Oct, 1994  
ISSN: 0898-0012line ISSN: 0898-0 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT; ABSTRACT  
WORD COUNT: 3236 LINE COUNT: 00252

... Properties may include a user's e-mail address or the physical  
location of a printer.

Root object. The root object is the highest access **point** to the  
Directory tree. It also allows trustees to be granted **rights** to the  
**entire tree**.

Trustee. Users or groups are granted **rights** to work with  
directories, files, or objects, and those users are called trustees of  
those directories, files, or objects. Rights flow down the tree structure.

13/3,K/9 (Item 9 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01592250 SUPPLIER NUMBER: 13497848 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**A/UX 3.0 and MachTen 2.0. (UNIX operating systems) (Software Review) (Off  
the Shelf) (includes related article on Macintosh emulators) (Evaluation)**  
Zeichick, Alan  
UNIX Review, v11, n4, p63(5)  
April, 1993  
DOCUMENT TYPE: Evaluation ISSN: 0742-3136 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2832 LINE COUNT: 00219

... a protected file like /etc/passwd. UNIX file security only applies  
to UNIX applications run through MachTen. MachTen uses a trick to handle  
UNIX file **permissions**: An invisible file in **each directory** stores  
the **permissions** of each enclosed file. This trick works for networked  
clients using a MachTen Server, but it provides little security to local



users.

If you want...

**13/3,K/10 (Item 10 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01531059 SUPPLIER NUMBER: 12527373 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Network HQ from Magee. (network management software, for LAN inventory audits, from Magee Enterprises Inc.) (one of three evaluations of network management software, from 'Basic inventory') (Software Review) (Test Drive) (Evaluation)**  
Marks, Kristin  
LAN Magazine, v7, n9, p128(3)  
Sept, 1992  
DOCUMENT TYPE: Evaluation ISSN: 0898-0012 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 990 LINE COUNT: 00077

... read, write, and delete rights in the directory where the main program lives. Magee does not use Btrieve and uses this fact as a selling point .

Certainly you do not want to expose your users to **all** possible **rights** in this **directory** , because you do not want them to delete it. Use your good judgement to prevent your users from getting into that directory. I don't...

**13/3,K/11 (Item 11 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01499734 SUPPLIER NUMBER: 11961913 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Networking made manageable. (using Novell Inc's NetWare Lite network operating system) (includes related article on how to plan a peer-to-peer network) (Tutorial)**  
Ellison, Carol  
PC-Computing, v5, n3, p187(4)  
March, 1992  
DOCUMENT TYPE: Tutorial ISSN: 0899-1847 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2430 LINE COUNT: 00181

... to the contents of subdirectories under the mapped drives. Users' rights flow downward, so users with access to a network drive" directory have the same **rights** in its subdirectories. You may not want to give **all** users **rights** to **all** root **directories** .

\* Maintain a log of which files and applications are **stored** on **each** PC and in which **directories** they're located. Ifs easy to track files on a small network, but as you add users the task becomes more difficult. A log will...

**13/3,K/12 (Item 12 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01428978 SUPPLIER NUMBER: 10625152 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Taking the XENIX plunge. (the challenges a programmer faces moving from DOS to XENIX)**  
Samworth, Richard  
EXE, v5, n10, p26(4)  
April, 1991  
ISSN: 0268-6872 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 3215 LINE COUNT: 00239

... Directories, because they are files, share the same permissions. To

limit access to all the files in a subdirectory, you can change the directory's **permissions** to, say, execute for the owner only. This will exclude **all** other users from that **directory** and any subdirectories it may **contain**. **Permissions** are modified by chmod and permission defaults for file creation are set by vmask. See figure 3.

XENIX implements UNIX file name links. A file...

**13/3,K/13 (Item 13 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01385898 SUPPLIER NUMBER: 09645659 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**LAN Manager, Version 2.0. (Software Review) (part of comparison in 'LAN Manager 2.0 vs. NetWare 3.1.') (evaluation)**  
Thompson, M. Keith  
PC Magazine, v9, n21, p213(6)  
Dec 11, 1990  
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2353 LINE COUNT: 00191

... the hard disk (even if LAN Manager is not running), it's necessary to log on locally. Even without the Local Security option set, HPFS386 **stores** access **permissions** for **each** file and **directory** within the file's own extended attributes. This prevents someone from looking at data on the disk with standard HPFS.

UNCOMPLICATED  
INSTALLATION--USUALLY  
Before adding...

**13/3,K/14 (Item 14 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01378391 SUPPLIER NUMBER: 09501745 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**LAN Director. (Software Review) (one of 20 evaluations of LAN statistics packages in 'Building workgroup solutions: statistical reporting software.') (evaluation)**  
Maxwell, Kimberly  
PC Magazine, v9, n18, p236(1)  
Oct 30, 1990  
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 833 LINE COUNT: 00066

...ABSTRACT: tool for managing a wide variety of resources on Novell NetWare networks. The program can access up to 12 servers with up to 26 logically **mapped** drives **each**. Administrators can organize server **directories** through a tree-like graphical interface and set user **rights**. Its statistical capabilities include using numerical analysis to gauge the efficiency of hard disk drives and depicting the results in a bar graph; collecting detailed...

**13/3,K/15 (Item 15 from file: 275)**

DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01371949 SUPPLIER NUMBER: 08844758 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**NetWare survival kit. (eleven tips on working with a local area network under Novell Inc.'s NetWare network operating system; includes related articles on user rights with NetWare) (includes related article on NetWare Bill of Rights) (tutorial)**  
Ellison, Carol  
PC-Computing, v3, n9, p86(5)  
Sept, 1990

DOCUMENT TYPE: tutorial      ISSN: 0899-1847      LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT:    3462      LINE COUNT:    00255

...      to allow access by other users.  
E--Erase. Erase files and subdirectories. Similar to NetWare 286's Delete.  
F--File scan. See the attributes, or **rights** , **associated** with files.  
S--Supervisory. Grant **all rights** to the **directory** and all files in it.

**13/3,K/16      (Item 16 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01319792      SUPPLIER NUMBER: 08013344      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**3+ Open in action. (Software Review) (3Com 3+ Open local-area network) (part 1) (evaluation)**  
Adie, Chris  
EXE, v4, n6, p10(4)  
Nov, 1989  
DOCUMENT TYPE: evaluation      ISSN: 0268-6872      LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT:    2725      LINE COUNT:    00209

...      with any (meaningful) combination of the following permissions for a server directory or file resource: None; Create; Delete; Read; Write; Execute; Change attributes and Change **permissions** .  
**Every directory** and every file on the server has a set of **permissions** for each user **associated** with it. It is important to realise that the access permissions are associated with the server directories and files, in the manner of Novell Netware...

**13/3,K/17      (Item 17 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

01293871      SUPPLIER NUMBER: 07178042      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Uniting file systems; experimental large-scale, distributed file systems are now being created. (includes related article on the history of the AFS Project)**  
Spector, Alfred Z.; Kazar, Michael L.  
UNIX Review, v7, n3, p61(10)  
March, 1989  
ISSN: 0742-3136      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT:    5691      LINE COUNT:    00449

...      to the authentication mechanism, the identity of the client on the other side of the RPC interface. The file server then determines the client's **rights** of access to various directories and files by consulting the access-control list **associated** with **each directory** in the system. This list specifies access **rights** for the directory itself and for all the files contained in it. An access-control list is an array of pairs; the first item in...

**13/3,K/18      (Item 1 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2004 The Gale Group. All rts. reserv.

01790155      Supplier Number: 53585263      (USE FORMAT 7 FOR FULLTEXT)  
**HP Introduces Next-generation Web Authorization Products for E-business; Innovative DomainGuard Security Software Protects Applications on Windows NT, HP-UX, Solaris.**  
Business Wire, p0093

Jan 18, 1999  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count:    772

...      the transaction.  
          Role-based Authorization and Administration  
          At installation, both DomainGuard products automatically map all resources on the Web server as controllable objects, letting administrators **point** and click to define read, write or execute **rights** to specific objects or **entire** portions of the **directory tree**.  
          With DomainGuard Rules, managers can create unambiguous business rules for user transactions. **Permissions** are verified before a Web form is delivered to an application server. DomainGuard Rules looks at quantities, dollar amounts, part numbers, time of day -- virtually...

**13/3,K/19      (Item 2 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2004 The Gale Group. All rts. reserv.

01215431      Supplier Number: 43741006    (USE FORMAT 7 FOR FULLTEXT)  
**SOPHCO ANNOUNCES PROTEC 4.0, ENHANCED SECURITY SOFTWARE FOR IBM PC AND COMPATIBLES**  
News Release, p1  
March 30, 1993  
Language: English      Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count:    462

...      templates, lengths, duration  
          and history. PROTEC's Save Configuration feature allows the system administrator to protect each station's hard drive without having to reconfigure **each** node separately. **Directory trees**  
and ouse support  
          allow the system administrator to define **permissions** for files and directories through "**point** and click."  
  
Groups are utilized in PROTEC 4.0 to reduce maintenance and administrative time by limiting access to files, directories, drives, the computer's...

**13/3,K/20      (Item 1 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

03848091      Supplier Number: 48367408    (USE FORMAT 7 FOR FULLTEXT)  
**NOVELL: Novell's Z.E.N.works now available in open beta**  
M2 Presswire, pN/A  
March 20, 1998  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count:    352

...      leading NDS (Novell Directory Services), information about the network and its users, such as what applications a user requires, desktop and configuration preferences and access **rights** to a computer are **all stored** in the **directory**. Users experience productivity increase with Windows-based desktops that are more reliable, easier network application access and quicker IS response. Network administrators spend less time...

**13/3,K/21      (Item 1 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

05342626      Supplier Number: 48127808    (USE FORMAT 7 FOR FULLTEXT)

#### Directory dilemma

Symoens, Jeff  
InfoWorld, p1  
Nov 17, 1997  
Language: English      Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count:      6223

... application, I can assign a user or group read-and-write access at the top of the tree or at an organizational unit. The single **rights** assignment then flows down the tree, granting the user those **same rights** to **all directory** objects below that **point** in the tree. In essence, this feature gives the user or group read-and-write access to the entire branch of a tree.

This same...

#### 13/3,K/22      (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

05271279      Supplier Number: 48031328      (USE FORMAT 7 FOR FULLTEXT)

#### NT 5.0 Beta Hits The Streets

Rash, Wayne; Rist, Oliver  
InternetWeek, p20  
Oct 6, 1997  
Language: English      Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count:      1703

... to an object oriented concept that's more like Novell's than what Microsoft used to have.

For example, you can control the properties of **entire domain trees**, set inheritable **permissions** on **containers** and even set the site topology. All of this new management is made easier by an extensive collection of wizards that can guide you through...

#### 13/3,K/23      (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

04964906      Supplier Number: 47294896      (USE FORMAT 7 FOR FULLTEXT)

#### X.500 Directory Standard Gains Support -- Control Data and Lotus

Development plan to add new products to mix

Angus, Jeff  
InformationWeek, p30  
April 14, 1997  
Language: English      Record Type: Fulltext  
Document Type: Magazine/Journal; Tabloid; General Trade  
Word Count:      330

... scheduling software they use.

Control Data also showed a meta-directory product, Rialto Global Directory Meta Edition. A meta directory acts as a master for **all** of an enterprise's application **directories**, **mapping** field equivalencies and **authorizations**, and replicating changes. The Rialto version is scheduled to ship in June. It will use an X.500 directory but interoperate with proprietary directories that...

#### 13/3,K/24      (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

01786853      Supplier Number: 42246941      (USE FORMAT 7 FOR FULLTEXT)

#### 3Com migration path: Users' choice: NetWare or LAN Manager?

Computer Reseller News, p57

July 29, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 603

... installed, users can run the migration NLM, which takes the data from the 3Com server and writes it to the NetWare server. It creates the **same directory** structure for the data, and it establishes the same users with the **corresponding security rights** as the original, sources said.

Novell would not comment on the migration tool's availability or pricing.

Today, Novell offers pricing incentives for users who...

13/3,K/25 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

10487972 SUPPLIER NUMBER: 21168796 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**PAIN, anyone?**

Orr, Bill

ABA Banking Journal, v90, n10, p82(1)

Oct, 1998

ISSN: 0194-5947 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2302 LINE COUNT: 00181

TEXT:

...as authorizing restricted or privileged functions, such as signing loan documents, accessing certain computer programs, or foreign-exchange trading up to a certain value. The **same** computer **directory** that **holds** the individual's identity parameters can also list the **privileges** she's entitled to. I is for the integrity of the message. When you sign a contract, you want to be sure all words, graphs...

13/3,K/26 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

10252294 SUPPLIER NUMBER: 20785510 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Integrated Systems -- Enterprise Harmony -- Directory Services Are Becoming Central To The Operations Of The Networked Enterprise. (Technology Information)**

Janah, Monua

InformationWeek, n684, p44(7)

June 1, 1998

ISSN: 8750-6874 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2279 LINE COUNT: 00191

... and Net Dynamics, and new Web applications like Oblix IntraPower, use LDAP as the means of integrating multiple applications and computing environments into a coherent **whole**.

A **directory** is a specialized repository that **contains** lists of system users and their access **rights**. It also functions as a kind of network white pages, giving users a simple way to locate applications, print services, and other computing resources. The...

13/3,K/27 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

08884623 SUPPLIER NUMBER: 18446679

**Safeguarding microcomputers and LANs. (local area networks) (includes related article) (Cover Story)**

Hall, James; Greenstein, Marilyn Magee

Management Accounting (USA), v77, n11, p27(7)

May, 1996

DOCUMENT TYPE: Cover Story      ISSN: 0025-1690      LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 5102      LINE COUNT: 00437

... errors.

Multilevel password control can provide an effective segregation of incompatible functions where no physical segregation is possible. It can restrict employees who share the **same** computers to specific **directories**, programs, and data files. **Stored authorization** tables can further limit an individual's access to read-only, data input, data modification, and data deletion capabilities. While not a substitute for effective...

13/3,K/28      (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

08769667      SUPPLIER NUMBER: 18311011      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**CD-ROM and multiplatform performance: the hybrid road.(includes related article on the marketing of hybrid discs)**  
Ling, Paul; Block, Debbie Galante  
CD-ROM Professional, v9, n5, p38(9)  
May, 1996  
ISSN: 1049-0833      LANGUAGE: English      RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4201      LINE COUNT: 00337

... file system--also known as FAT16--and NTFS, a file system which allows for long filenames, deep directory trees, and both uppercase and lowercase characters. **Each** file and **directory** in Windows NTFS **contains** attributes specifying **permissions** for the owner, group, and the world to read, write, and execute.

The feature set supported on the Windows 95 file system is very similar...

13/3,K/29      (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

06459194      SUPPLIER NUMBER: 13887327      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**LAN Escort 2.0 eases Windows administration; LANovation adds reporting and multiple server support to easy-to-use package. (Software Review)**  
**(Microsoft Corp.'s Windows operating environment) (Evaluation)**  
Ferrill, Paul  
InfoWorld, v15, n21, p143(3)  
May 24, 1993  
DOCUMENT TYPE: Evaluation      ISSN: 0199-6649      LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1462      LINE COUNT: 00121

TEXT:

...NetWare LAN a simple point-and-click operation -- you may never have to run Novell Inc.'s SYSCON again. LAN Escort automates the task by **storing** a set of defaults for **all** new users, including **directory** and file access **rights**, available applications, and printers.

13/3,K/30      (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

06413666      SUPPLIER NUMBER: 13673539      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**NetWare 4.0 spells relief for WANs: provides support for true enterprisewide computing. (Software Review) (Evaluation)**  
Strehlo, Kevin  
InfoWorld, v15, n13, p1(2)  
March 29, 1993  
DOCUMENT TYPE: Evaluation      ISSN: 0199-6649      LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1258 LINE COUNT: 00100

... the distributed database called Network Directory Services (NDS), which replaces the bindery database of NetWare 2.x and 3.x.

MASTERING NDS. While the bindery **contains** information about users and their **rights** to resources on a **single** server, NetWare **Directory Services** is a distributed database about the users and resources of an entire network of servers.

When a user seeks access to any network resource...

**13/3,K/31 (Item 1 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01645537 02-96526  
**Enterprise harmony**  
Janah, Monua  
Informationweek n684 PP: 44-54 Jun 1, 1998  
ISSN: 8750-6874 JRNL CODE: IWK  
WORD COUNT: 2097

...TEXT: and Net Dynamics, and new Web applications like Oblix IntraPower, use LDAP as the means of integrating multiple applications and computing environments into a coherent **whole**.

A **directory** is a specialized repository that **contains** lists of system users and their access **rights**. It also functions as a kind of network white pages, giving users a simple way to locate applications, print services, and other computing resources. The...

**13/3,K/32 (Item 2 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01272259 99-21655  
**On-line corporate directories: An efficient alternative to ad hoc approaches**  
Silverman, Joel  
Telemarketing & Call Center Solutions v14n12 PP: 34-38 Jun 1996  
ISSN: 0730-6156 JRNL CODE: TLM  
WORD COUNT: 1380

...TEXT: determine who is calling you and much more.)

#### Common Directory Access Requirements

In the corporate environment, productivity is significantly improved by providing employees with seamless **access** to **all** **three types** of **directory** information:

\* Personal directory information **refers** to private contact information (for example, doctors and dentists, accountants, lawyers, personal contacts, etc.), which is usually managed and used by a single person.

\* Enterprise...

**13/3,K/33 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01037426 96-86819  
**Beating the multi-surface interchange**  
Ross, Perry; Thompson, Bruce  
Computer Technology Review Special Supplement PP: 74-79 Winter/Spring



1995

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 2031

...TEXT: called the Information Control Block, (ICB). One of these structures exists for each file and directory, and is at least one sector long. Each ICB **contains** information about **one** file or **directory**, such as its **permissions**, and when it was last accessed. The only field relevant to our discussion is a collection of pointers, called allocation descriptors in the standard, which...

**13/3,K/34 (Item 4 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00998116 96-47509

**Network help desk**

Conliffe, Alison

Network World v12n11 PP: 5, 67 Mar 13, 1995

ISSN: 0887-7661 JRNL CODE: NWW

WORD COUNT: 797

...TEXT: network is treated as a single logical entity. Users have only one logon procedure to access the NetWare-based network resources to which they have **rights**.

This concept also **holds** true for NetWare administrators, who can manage network resources at **one** location--the NDS **tree**. The NDS tree is a distributed, replicated database defining network resource attributes, including user accounts, for NetWare. It replaces the bindery, which was a flat...

**13/3,K/35 (Item 5 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00721227 93-70448

**QFA enables fast file restore from 8 mm**

Eccles, Andrew C

Computer Technology Review v13n6 PP: 68-69 May 1993

ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 1461

...ABSTRACT: one at each end of the track and one in the middle. Software developed specifically to run under Windows can provide a graphical representation of **each** file, **directory**, and volume to which the user has **mapping rights**. Also, a librarian function is included to keep track of every version of every file saved to tape. QFA operations permit the file to be...

...TEXT: benefit from an intuitive method of viewing the data on the network. Software developed specifically to run under Windows can provide a graphical representation of **each** file, **directory** and volume to which the user has **mapping rights** in addition, a librarian function is included to keep track of every version of every file saved to tape. The librarian also provides the capability...

**13/3,K/36 (Item 6 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00637236 92-52176

**Eureka! It's a Breakthrough Idea**

Zmirak, John Patrick; Paul, Ken; McCune, Jenny C.

Success v39n8 PP: 18-27 Oct 1992

ISSN: 0745-2489 JRNL CODE: SCS

WORD COUNT: 5704

...TEXT: Empress tree, the clone is disease resistant and infertile--so it can't spread unchecked in the wild and invite customs restrictions.

Tree Technology Inc. **holds** the **rights** to the engineered paulownia, and it plans to plant 10,000 acres **each** year. By the year 2010, **Tree** Technology predicts that the paulownia will be worth at least \$116,000 per acre.

#### OPPORTUNITY

Be a dealer: The engineered paulownia will be a crucial...

13/3,K/37 (Item 1 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

01163194 CMP ACCESSION NUMBER: IWK19980601S0038  
**Integrated Systems - Enterprise Harmony - Directory Services Are Becoming Central To The Operations Of The Networked Enterprise**  
Monua Janah  
INFORMATIONWEEK, 1998, n 684, PG44  
PUBLICATION DATE: 980601  
JOURNAL CODE: IWK LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Trends  
WORD COUNT: 2126

... and Net Dynamics, and new Web applications like Oblix IntraPower, use LDAP as the means of integrating multiple applications and computing environments into a coherent **whole**.

A **directory** is a specialized repository that **contains** lists of system users and their access **rights**. It also functions as a kind of network white pages, giving users a simple way to locate applications, print services, and other computing resources. The...

13/3,K/38 (Item 2 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

01140642 CMP ACCESSION NUMBER: INW19971006S0083  
**NT 5.0 Beta Hits The Streets** (First Look)  
Wayne Rash and Oliver Rist  
INTERNETWEEK, 1997, n 684, PG20  
PUBLICATION DATE: 971006  
JOURNAL CODE: INW LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: News & Analysis  
WORD COUNT: 1675

... to an object oriented concept that's more like Novell's than what Microsoft used to have.

For example, you can control the properties of **entire** domain **trees**, set inheritable **permissions** on **containers** and even set the site topology. All of this new management is made easier by an extensive collection of wizards that can guide you through...

13/3,K/39 (Item 3 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

01131956 CMP ACCESSION NUMBER: NWC19970715S0023  
**Bridging The Business-to-Business Authentication Gap**

Christy Hudgins-Bonafield  
NETWORK COMPUTING, 1997, n 813, PG62  
PUBLICATION DATE: 970715  
JOURNAL CODE: NWC LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Features  
WORD COUNT: 5670

... justification for a big directory with LDAP access is to make public keys available. LDAP, he says, isn't a good fit for directories that **store** information about user **privileges**. Moskowitz, too, feels "no **one** really understands **directories**" or knows what **one directory** will use to query the other, "although it won't be LDAP." Geoff Baehr, Sun's chief network officer, says the problem with LDAP is...

13/3,K/40 (Item 4 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

01123006 CMP ACCESSION NUMBER: IWK19970414S0040  
**X.500 Directory Standard Gains Support - Control Data and Lotus Development plan to add new products to mix**  
Jeff Angus  
INFORMATIONWEEK, 1997, n 626, PG30  
PUBLICATION DATE: 970414  
JOURNAL CODE: IWK LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Top Of The Week  
WORD COUNT: 322

... scheduling software they use.  
Control Data also showed a meta-directory product, Rialto Global Directory Meta Edition. A meta directory acts as a master for **all** of an enterprise's application **directories**, **mapping** field equivalencies and **authorizations**, and replicating changes. The Rialto version is scheduled to ship in June. It will use an X.500 directory but interoperate with proprietary directories that...

13/3,K/41 (Item 5 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

00608938 CMP ACCESSION NUMBER: CRN19910729S4367  
**3Com migration path- Users' choice: NetWare or LAN Manager**  
JODI MARDESICH  
COMPUTER RESELLER NEWS, 1991, n 431, 57  
PUBLICATION DATE: 910729  
JOURNAL CODE: CRN LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: Networks  
WORD COUNT: 618

... installed, users can run the migration NLM, which takes the data from the 3Com server and writes it to the NetWare server. It creates the **same directory** structure for the data, and it establishes the same users with the **corresponding security rights** as the original, sources said.

Novell would not comment on the migration tool's availability or pricing.

Today, Novell offers pricing incentives for users who...

13/3,K/42 (Item 6 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

00608298 CMP ACCESSION NUMBER: UNX19910902S3723

**Two NFS Options For Mac Users - Intercon, Wollongong Solutions Allow Easy Access To Remote Filesystems**

JASON LEVITT

UNIX TODAY , 1991, n 079, 36

PUBLICATION DATE: 910902

JOURNAL CODE: UNX LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: technology

WORD COUNT: 1610

... FEATURES, FEATURES.

Both NFS clients now support System 7, and, along with that, support for the AppleShare privilege mechanism, which allows you to change the **permissions** on directories **contained** in mounted volumes. Both clients also let different Macs mount the **same directories**. Previous versions of PathWay did not allow this.

Line termination is an issue with NFS clients. Unix terminates every line of a text file with...

**13/3,K/43 (Item 7 from file: 647)**

DIALOG(R)File 647:CMP Computer Fulltext

(c) 2004 CMP Media, LLC. All rts. reserv.

00604072 CMP ACCESSION NUMBER: NWC19910101S3681

**Networking Issues and Answers (Helpline)**

Pete Maclean

NETWORK COMPUTING, 1991, n 201 , 78

PUBLICATION DATE: 910101

JOURNAL CODE: NWC LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: LOGGING OFF

WORD COUNT: 1568

... deleting print queues for one particular group. Is this possible? I tried making this user a manager for the group, but he still has insufficient **rights** to delete a print job. I have tried giving this user **all rights** to the **directory** where the jobs are **stored** (SYS:SYSTEM/XXXXXXXX.QDR), but still have no luck. This seems like a simple function; am I missing something? Thanks for any help.

If you...

**13/3,K/44 (Item 1 from file: 674)**

DIALOG(R)File 674:Computer News Fulltext

(c) 2004 IDG Communications. All rts. reserv.

042954

**Network Help Desk**

**Network Help Desk**

Journal: Network World Page Number: 5

Publication Date: March 13, 1995

Word Count: 798 Line Count: 71

Text:

... network is treated as a single logical entity. Users have only one logon procedure to access the NetWare-based network resources to which they have **rights**. This concept also **holds** true for NetWare administrators, who can manage network resources at **one** location - the NDS **tree**. The NDS tree is a distributed, replicated database defining network resource attributes, including user accounts, for NetWare. It replaces the bindery, which was a flat...

File 348:EUROPEAN PATENTS 1978-2004/Jul W02

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040715,UT=20040708

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	14969	(SINGLE OR ONE OR ENTIRE OR SAME OR WHOLE OR EACH OR EVERY OR ALL) (5W) (DIRECTORY OR DIRECTORIES OR TREE? ? OR HIERARCH?)
S2	224	(ALL OR EVERY) (5W) FOLDERS
S3	359777	RIGHTS OR PERMISSIONS OR PRIVILEGE? ? OR AUTHORIZATION? ? - OR AUTHORISATION? ? OR CLEARANCE? ? OR CREDENTIAL? ?
S4	13232	ACCESS(3N) (LEVEL? ? OR TYPE? ? OR GRADE OR GRADES)
S5	182	S3:S4(10N)S1:S2
S6	132	S5 AND IC=G06F
S7	114	S6 AND AC=US/PR
S8	63	S7 AND AY=(1965:1999)/PR
S9	40	S6 AND PY=1965:1999
S10	73	S8:S9
S11	102	S3:S4(7N) (MAP???? OR ASSOCIAT??? OR CORRELAT??? OR REFER??? OR CORRESPOND??? OR POINT??? OR CONTAIN??? OR STORE? ? OR ST-ORING OR HOLD??? OR HELD) (7N)S1:S2
S12	41	S10 AND S11
S13	32	S10 NOT S12

12/3,K/36 (Item 26 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00415572 \*\*Image available\*\*

**EMBEDDED WEB SERVER**

**SERVEUR WEB INTEGRE**

Patent Applicant/Assignee:

AGRANAT SYSTEMS INC,

Inventor(s):

AGRANAT Ian D,  
GIUSTI Kenneth A,  
LAWRENCE Scott D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9806033 A1 **19980212**

Application: WO 97US13817 19970808 (PCT/WO US9713817)

Priority Application: US 9623373 19960808

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 55647

Patent and Priority Information (Country, Number, Date):

Patent: ... **19980212**

Main International Patent Class: **G06F-009/44**

International Patent Class: **G06F-17:30**

Fulltext Availability:

Detailed Description

Publication Year: **1998**

Detailed Description

... directory (a URL whose last component is the directory name).

**ACCESS Files**

Access to individual files and directories is controlled by a configuration file in **each** source archive **directory** named 'ACCESS'. The ACCESS files **contain** specifiers for the access **rights** of elements in the **corresponding** directory (and optionally for the directory itself using the I.' specifier). Specifiers in the ACCESS file override specifiers in the mime. types file, Each specifier is...

12/3,K/37 (Item 27 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00348333 \*\*Image available\*\*

**AN INTEGRATED DEVELOPMENT PLATFORM FOR DISTRIBUTED PUBLISHING AND MANAGEMENT OF HYPERMEDIA OVER WIDE AREA NETWORKS**

**PLATE-FORME DE DEVELOPPEMENT INTEGREE POUR LA PUBLICATION ET LA GESTION REPARTIES D'HYPERMEDIA SUR DES RESEAUX LONGUE PORTEE**

Patent Applicant/Assignee:

NAVISOFT INC,

Inventor(s):

DOZIER Linda T,  
WILLIAMS George W V,  
LONG Dave,  
MCKEE Douglas M,  
DAVIDSON James G,  
BRADY Karen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9630846 A1 **19961003**

Application: WO 96US1686 19960321 (PCT/WO US9601686)

Priority Application: US 95412981 19950328

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE  
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 177634

Patent and Priority Information (Country, Number, Date):

Patent: ... 19961003

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Publication Year: 1996

Detailed Description

... B,53 Server Administration

The Server Administration menu item are the administrative functions. See the tutorial on NaviServer for a description.

B,5A General (Preferences)

**Contains** preferences specific to NaviPress, including whether to load remote images with **each** document, a **directory** to cache files in, your email address, and proxy and name servers.

B,5,5 Extensions/NUMEE (Preferences)

**Contains** a list that **associates** file name extensions (such as html or -gif) with file MIME types. This list is only used by NaviPress when opening local files or receiving...

12/3,K/38 (Item 28 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00328277

**AN OBJECT-ORIENTED COMPUTER ENVIRONMENT AND RELATED METHOD**  
**ENVIRONNEMENT INFORMATIQUE ORIENTÉ-OBJETS ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

RECOGNITION INTERNATIONAL INC,

Inventor(s):

THOMAS Tony Clifton,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9610787 A1 19960411

Application: WO 95US10819 19950824 (PCT/WO US9510819)

Priority Application: US 94317734 19941004

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP  
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ  
TM TT UA UG UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC  
NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 23079

Patent and Priority Information (Country, Number, Date):

Patent: ... 19960411

Main International Patent Class: G06F-009/46

Fulltext Availability:

Detailed Description

Publication Year: 1996

Detailed Description

... grows, the system reduces

"bottlenecking" that often occurs when users access information from a common source.

In one embodiment, the invention provides a mechanism for **each** level of a **hierarchy** to **access** other **levels** , This is done by **storing** at each level the information needed to access repositories at that particular level, at higher levels or at lower levels of the repository.

Although the...

12/3,K/39 (Item 29 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00313634

**METHOD AND APPARATUS FOR HANDLING REQUESTS REGARDING INFORMATION STORED IN A FILE SYSTEM**

**PROCEDE ET APPAREIL SERVANT A TRAITER DES DEMANDES RELATIVES AUX INFORMATIONS STOCKEES DANS UN SYSTEME DE FICHIERS**

Patent Applicant/Assignee:

APPLE COMPUTER INC,  
SZYMANSKI Steven James,  
BRUFFEY Bill Monroe,

Inventor(s):

SZYMANSKI Steven James,  
BRUFFEY Bill Monroe,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9531787 A1 **19951123**  
Application: WO 95US6009 19950515 (PCT/WO US9506009)  
Priority Application: US 94245141 19940513

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP  
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ  
TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU  
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 35532

Patent and Priority Information (Country, Number, Date):

Patent: ... **19951123**

Main International Patent Class: **G06F-017/30**

Fulltext Availability:

Detailed Description

Publication Year: **1995**

Detailed Description

... it passes through in the process. Thus, with a single call, a FSIterator can be used to collect attributes from every file which has the **same** parent **directory** .

Identity is the subject of file manager **privileges** . An identity can either be an individual, or a set of individuals and other sets. Identities can be given permission to perform specific actions on specific files and directories.

**Privileges** specify what an identity can do to a file or a directory.

**Every** file and **directory** has a list of identities and the **privileges** **associated**

with those identities. Privilegelterator is mechanism for iterating over identity/ **privilege** pairs for a file or directory. **Every** volume, **directory** and file has a list **associated** with it which defines what requests on that volume, directory or file are allowed to be performed on behalf of particular identities.

These access control...



12/3,K/40 (Item 30 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00263661 \*\*Image available\*\*

**FILE DIRECTORY STRUCTURE GENERATOR AND RETRIEVAL TOOL FOR USE ON A NETWORK  
GENERATEUR D'UNE STRUCTURE REPERTOIRE DE FICHIERS ET OUTIL D'EXTRACTION  
UTILISES DANS UN RESEAU**

Patent Applicant/Assignee:

2010 SOFTWARE CORPORATION,

Inventor(s):

COHEN-LEVY Leon,

GRAVES Aaron,

CAPLAN Sergio D,

SCHMIDT Robert D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9411830 A1 **19940526**

Application: WO 93US10990 19931112 (PCT/WO US9310990)

Priority Application: US 92974555 19921112

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP KR NO NZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 15022

Patent and Priority Information (Country, Number, Date):

Patent: ... **19940526**

Main International Patent Class: **G06F-015/00**

International Patent Class: **G06F-15:21** ...

... **G06F-15:40**

Fulltext Availability:

Detailed Description

Claims

English Abstract

...19), and a local processor operating according to an operating system (8) and an application program. The local memory (18) and the shared memory (19) **store** files in a directory structure. **Each** file and level in the **directory** structure has network access **privileges**. The file directory structure generator and retrieval tool has a document locator module (20) that maps the directory structure of the files stored in the

...

Publication Year: **1994**

Detailed Description

... containing a memo can be saved so

that certain network users can read the memo and other

network users can edit the memo. Setting a **level**'s

**access rights** automatically sets the access **rights** for

**all** files and levels **hierarchically** below that level. A

network user designated as the supervisor has all access

rights to all levels and files. in the representative

embodiment, only the...

Claim

... a shared

memory, and a local processor operating according to an operating system program and an application program, the local memory and the shared memory **storing** files in a

directory structure having levels, **each** file and level in

the **directory** structure having network access **privileges**,

the local memory and shared memory comprising the highest

level of the directory structure, the file directory

structure generator and retrieval tool comprising:

a document...

...a shared  
memory,, and a local processor operating according to an  
operating system program and an application program, the  
local memory and the shared memory **storing** files in a  
directory structure having levels, **each** file and level in  
the **directory** structure having network access **privileges** ,  
the local memory and shared memory comprising the highest  
level of the directory structure, the file directory  
structure generator and retrieval tool comprising:  
a document...

...a shared  
memory, and a local processor operating according to an  
operating system program and an application program, the  
local memory and the shared memory **storing** files in a  
directory structure having levels, **each** file and level in  
the **directory** structure having network access **privileges** ,  
the local memory and shared memory comprising the highest  
level of the directory structure, the file directory  
structure generator and retrieval tool comprising:  
document locator...device  
storing a plurality of files in a directory structure,  
the server comprising a network access program that sets  
and checks a set of access **privileges** for each one of the  
plurality of files, **each** one of the **directories** in the  
**directory** structure and each network storage device, the  
network access interface controller comprising:  
an intercept module that intercepts control from the  
application program without exiting the...

12/3,K/41 (Item 31 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2004 WIPO/Univentio. All rts. reserv.

00166843 \*\*Image available\*\*  
**MULTIPROCESSOR SYSTEM INCLUDING A HIERARCHICAL CACHE MEMORY SYSTEM**  
**SYSTEME MULTIPROCESSEUR POURVU D'UN SYSTEME D'ANTEMEMOIRE HIERARCHIQUE**  
Patent Applicant/Assignee:  
SWEDISH INSTITUTE OF COMPUTER SCIENCE,  
HAGERSTEN Erik,  
HARIDI Seif,  
WARREN David H D,  
Inventor(s):  
HAGERSTEN Erik,  
HARIDI Seif,  
WARREN David H D,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9000283 A1 **19900111**  
Application: WO 89SE369 19890629 (PCT/WO SE8900369)  
Priority Application: SE 882495 19880704; SE 884700 19881230  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)  
AT BE CH DE FR GB IT JP LU NL SE US  
Publication Language: English  
Fulltext Word Count: 5627

Patent and Priority Information (Country, Number, Date):  
Patent: ... **19900111**  
Main International Patent Class: **G06F-012/08**  
Fulltext Availability:  
Detailed Description  
Publication Year: **1990**

Detailed Description  
... memories, and  
controllers. The local bus may itself be connected via a

controller to a higher bus, and so on, up the hierarchy.

The higher **level** controllers **each** have **access** to a **directory** of state information, and are termed directory controllers. The directory is set- **associative** and has space for state bits for all the d

13/9/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2004 European Patent Office. All rts. reserv.

00757756

COMPUTER METHOD AND APPARATUS FOR ASYNCHRONOUS ORDERED OPERATIONS  
RECHNER-VERFAHREN UND GERAT FUR ASYNCHRONE GEORDNETE OPERATIONEN  
DISPOSITIF ET SYSTEME INFORMATIQUE PERMETTANT L'EXECUTION ASYNCHRONE  
D'OPERATIONS

PATENT ASSIGNEE:

NOVELL, INC., (1486133), 1555 North Technology Way, Orem, UT 84057-2399,  
(US), (applicant designated states: DE;FR;GB)

INVENTOR:

DOSHI, Kshitij, Arun, 3B Troy Drive, Springfield, NJ 07081, (US)  
SAKS, Jonathan, Haim, 174 Summit Avenue nr. 203, Summit, NJ 07901, (US)

LEGAL REPRESENTATIVE:

Belcher, Simon James (58311), Urquhart-Dykes & Lord Tower House Merrion  
Way, Leeds LS2 8PA, (GB)

PATENT (CC, No, Kind, Date): EP 730766 A1 960911 (Basic)  
EP 730766 A1 971203  
EP 730766 B1 990224  
WO 9603704 960208

APPLICATION (CC, No, Date): EP 95928682 950726; WO 95US9469 950726

PRIORITY (CC, No, Date): US 280307 940726

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/30

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Oppn None: 20000216 B1 No opposition filed: 19991125  
Application: 960515 A International application (Art. 158(1))  
Application: 960911 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 960925 A1 Date of filing of request for examination:  
960729  
Search Report: 971203 A1 Drawing up of a supplementary European search  
report: 971015  
Examination: 980304 A1 Date of despatch of first examination report:  
980114  
Grant: 990224 B1 Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9907	2438
CLAIMS B	(German)	9907	2347
CLAIMS B	(French)	9907	2718
SPEC B	(English)	9907	16752
Total word count - document A			0
Total word count - document B			24255
Total word count - documents A + B			24255

## Data Structures and Policies Of File System Implementations

It is not generally possible to describe file system data structures and organization commonly across all file system implementations. The general requirements of all file system implementations are common, however; and these are that it should be possible to allocate and free space for file data and to allocate and free space for any auxiliary data describing the layout and characteristics of files and directories in the file system. Therefore, for simplicity, an overview of data structures and file system space management procedures is given here for the UFS file system implementation, but the principles and the invention to be detailed apply equally to UFS and to other file system implementations. However, to prevent ambiguity, the term UFS will be used to qualify the description that applies particularly to the UFS file system implementation.

In the UFS file system the internal representation of a file is given by an inode which contains a description of the device layout of the file data and other information such as file owner, access **permissions**, and access times. **Every** file (or **directory**) has one inode, but may have several names (also called links), all of which map into the same inode. When a process creates or opens a file by name, UFS parses each component of the file name, checking that the process has the necessary privileges for searching the intermediate directories and then retrieves the inode for the file. In the case of opening or creating a new file, UFS assigns to the file an unused inode. Inodes are stored in the file system and UFS reads the needed inodes into an inode table that is maintained in primary storage for ease and efficiency of access.

A file system in UFS is a sequence of logical blocks. The size of a logical block is a convenient multiple of the smallest size in which data transfer can be performed to secondary storage.

Each UFS file system includes a number of special blocks, which contain file system administrative data, and whose contents are manipulated without explicit request from or knowledge of application programs. One of them is a superblock, which describes the state of the file system and information identifying available inodes and free space (unallocated blocks) in the file system. For achieving compact layouts, UFS divides a file system into smaller divisions called cylinder groups, and uses algorithms that promote allocations of inodes and data blocks from the same or neighboring cylinder groups among correlated uses. To protect against catastrophic loss of information, the superblock is replicated among the cylinder groups. Other blocks containing administrative information include blocks that contain bitmaps describing the available blocks within each of the cylinder groups, and blocks from which space can be used for allocating inodes.

The blocks that contain file data are reachable from the inode for the file by one of three means. The inode itself contains the logical addresses for several initial data blocks. In addition, the inode contains a few block addresses for "indirect" and "double indirect" blocks for large files. The indirect blocks contain addresses of additional data blocks for a file and double indirect blocks contain addresses of additional indirect blocks that could not be accommodated in the inode.

The kernel allows processes to store new information in files or to recall previously stored information. When a process is to access data from a file, the data is brought into main storage where the process can examine it, alter it, and request that the data be saved in the file system again. A process may also create new files and directories, remove existing files and directories, or replicate or rename existing files and directories. In all cases, as file sizes and file and directory populations in a file system change, the auxiliary data that describes the file system organization is brought into memory, examined and altered, and written to secondary storage. For example, the superblock of a file system must be examined when there is a need to allocate a new file or inode or to allocate new data blocks, and the superblock must be modified when data blocks or inodes are allocated or freed. Similarly, an inode describes the layout or data block organization within a file; the operating system reads an inode into memory to access its data, and writes the inode back to secondary storage when updating the file layout. The manipulation of this auxiliary data is done without the explicit

knowledge or request of a running process.

If the kernel were to read and write directly to and from disk for all file system accesses, then system response time and productivity would be poor because of the slow rate of data transfers between disk and memory. The file system implementation therefore attempts to minimize the frequency of disk accesses by keeping file data and file system structural information in the page cache 41, or the buffer cache 40, or both the caches. Page cache 41 is generally used for keeping data or code that should be directly addressable from a process running in user mode. Buffer cache 40, on the other hand, is a pool of memory that is allocated to and managed by the file subsystem for storing information that is needed by a file system implementation. Commonly, file data are cached in the page cache 41, while structural data such as inodes, superblocks, and indirect blocks are kept in the buffer cache 40; however, a file system implementation may choose to maintain file data in buffer cache, or to maintain structural data in the page cache for reasons of policy or algorithmic convenience.

File 8: Ei Compendex(R) 1970-2004/Jul W2  
(c) 2004 Elsevier Eng. Info. Inc.  
File 35: Dissertation Abs Online 1861-2004/May  
(c) 2004 ProQuest Info&Learning  
File 65: Inside Conferences 1993-2004/Jul W3  
(c) 2004 BLDSC all rts. reserv.  
File 2: INSPEC 1969-2004/Jul W2  
(c) 2004 Institution of Electrical Engineers  
File 94: JICST-EPlus 1985-2004/Jun W4  
(c) 2004 Japan Science and Tech Corp(JST)  
File 6: NTIS 1964-2004/Jul W4  
(c) 2004 NTIS, Intl Cpyrght All Rights Res  
File 144: Pascal 1973-2004/Jul W2  
(c) 2004 INIST/CNRS  
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 34: SciSearch(R) Cited Ref Sci 1990-2004/Jul W3  
(c) 2004 Inst for Sci Info  
File 99: Wilson Appl. Sci & Tech Abs 1983-2004/Jun  
(c) 2004 The HW Wilson Co.  
File 266: FEDRIP 2004/Jun  
Comp & dist by NTIS, Intl Copyright All Rights Res  
File 95: TEME-Technology & Management 1989-2004/Jun W1  
(c) 2004 FIZ TECHNIK

Set	Items	Description
S1	32938	(SINGLE OR ONE OR ENTIRE OR SAME OR WHOLE OR EACH OR EVERY OR ALL) (5W) (DIRECTORY OR DIRECTORIES OR TREE? ? OR HIERARCH?)
S2	11	(ALL OR EVERY) (5W) FOLDERS
S3	1242338	RIGHTS OR PERMISSIONS OR PRIVILEGE? ? OR AUTHORIZATION? ? - OR AUTHORISATION? ? OR CLEARANCE? ? OR CREDENTIAL? ?
S4	7518	ACCESS(3N) (LEVEL? ? OR TYPE? ? OR GRADE OR GRADES)
S5	148	S1:S2(10N)S3:S4
S6	19	S3:S4(7N) (MAP???? OR ASSOCIAT??? OR CORRELAT??? OR REFER??? OR CORRESPOND??? OR POINT??? OR CONTAIN??? OR STORE? ? OR ST-ORING OR HOLD??? OR HELD) (7N)S1:S2
S7	15	RD (unique items)
S8	11	S7 NOT PY=2000:2004
S9	826	AU=(COULIER, C? OR COULIER C? OR BRUN, P? OR BRUN P?)
S10	2	S9 AND S1:S2 AND (DIRECTORY OR DIRECTORIES OR TREE? ? OR HIERARCH?)
S11	1	RD (unique items)

8/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4940523 INSPEC Abstract Number: C9506-6150J-015

**Title: OMNICONF-making OS upgrades and disk crash recovery easier**

Author(s): Hideyo, I.

Author Affiliation: Matsushita Electr. Ind. Co. Ltd., Japan

Conference Title: Proceedings of the Eighth Systems Administration Conference (LISA VIII) p.27-31

Publisher: USENIX Assoc, Berkeley, CA, USA

Publication Date: 1994 Country of Publication: USA vi+203 pp.

Conference Title: Proceedings of the Eighth Systems Administration Conference (LISA VIII)

Conference Date: 19-23 Sept. 1994 Conference Location: San Diego, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: OS upgrades are a headache because after installing a new OS, many files and directories need to be modified or created by hand, to restore the host's previous (preupgrade) configuration. On the other hand, saving entire / and /usr file systems for crash recovery is redundant because most files are unchanged, and copies exist on distribution media. In addition, restoring from backups after a disk crash is not as easy as an OS installation from distribution media because OS installation software does not necessarily include utilities to aid in doing so. Difficulties in performing OS upgrades and disk crash recoveries are dramatically reduced if a complete set of "changes" (a set of changes is called a "configuration" in this paper) which have occurred throughout/and/usr can be observed and saved. "Change" means: 1) addition and deletion of files and directories; 2) modification of the content and status of files and directories. Dealing with changes is non-trivial because conventional commands such as tar, cpio, and dump cannot handle deletion and cannot alter the **permissions** of a file without restoring its contents. If configurations can be **stored** under a **single directory**, OS upgrades become easier because the configuration can be restored by a simple operation after the upgrade. Saving all files in/and/usr, one only needs to save changes to those file systems. Easily perceive what the entire configuration is and modify merely a part of it. In this paper, the author introduces a tool called "OMNICONF", which stores and restores "configurations" to and from a specified directory. OMNICONF is implemented in 2400 lines of Perl(1) code, under the concept shown above. (2 Refs)

Subfile: C

Descriptors: configuration management; fault tolerant computing; file organisation; operating systems (computers); system recovery; Unix

Identifiers: OMNICONF; OS upgrade; operating system upgrading; new version; hard disk crash recovery; fault; configuration; Perl(1) code; Unix; UNIX; installation program

Class Codes: C6150J (Operating systems)

Copyright 1995, IEE

8/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02355101 INSPEC Abstract Number: C85002953

**Title: Unix security: permission particulars**

Author(s): Hughes, P.

Journal: Microcomputing vol.8, no.9 p.36-9

Publication Date: Sept. 1984 Country of Publication: USA

CODEN: MIRCDC ISSN: 0744-4567

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Discusses the hierarchical file system of Unix, exploring its security features, and shows you how to use these features to protect your files. In Unix, **each** file, including **directories** and special files, has a set of access **permissions** **associated** with it. These access



**permissions** determine who can access the file and what type of access is allowed. (0 Refs)

Subfile: C

Descriptors: operating systems (computers); security of data

Identifiers: file protection; Unix security; hierarchical file system; directories; special files; access permissions

Class Codes: C0310D (Installation management); C6150J (Operating systems)

8/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01895790 INSPEC Abstract Number: C82031251

**Title: Cognitive style, categorization, and vocational effects on performance of REL database users**

Author(s): Egly, D.G.; Wescourt, K.T.

Author Affiliation: Hewlett-Packard Labs., Palo Alto, CA, USA

Journal: SIGSOC Bulletin vol.13, no.2-3 p.91-7

Publication Date: Jan. 1982 Country of Publication: USA

CODEN: SGBLDB ISSN: 0163-5794

Conference Title: Joint Conference on Easier and More Productive Use of Computing Systems

Conference Date: 20-22 May 1981 Conference Location: Ann Arbor, MI, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Experimental (X)

Abstract: Twelve subjects from two job categories, sales engineers and programmer analysts used an REL ENGLISH database to answer a set of questions. These questions were designed to require successively more complex interactions. The database contained Hewlett-Packard's Condensed Order Records, which were pertinent to the jobs of the sales engineers. All of the subjects were given a battery of cognitive tests measuring cognitive style and pattern extrapolation skills prior to using the database. They also received a brief training session on the structure of the database. Analysis of the subjects' interactions with the REL ENGLISH database, particularly analysis of the errors made, showed: first, that cognitive style is significantly **correlated** with the number of questions successfully completed; second, that while sales engineers were able to **access all levels** of the **hierarchy** in the database, programmer analysts had significantly more difficulty accessing data from higher levels than they did with data from the same or lower levels than the standard, entry level; and third, that programmer analysts had less difficulty with the fixed-format, programming-language-like features of REL ENGLISH, while sales engineers has less difficulty with the free-format, English-like features of REL ENGLISH. These findings suggest that quasi-natural language database interfaces are appropriate for nonprogrammers who have a field-independent cognitive style and who already are domain experts in the area covered by the database. (36 Refs)

Subfile: C

Descriptors: database management systems; high level languages; interactive systems

Identifiers: categorization; vocational effects; performance; database users; programmer analysts; REL ENGLISH; sales engineers; cognitive style; pattern extrapolation skills; interactions; quasi-natural language database interfaces

Class Codes: C6110 (Systems analysis and programming); C6140D (High level languages); C6160 (Database management systems (DBMS))

8/5/4 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2004 INIST/CNRS. All rts. reserv.

13259586 PASCAL No.: 97-0531301

**Embedding trees in massively parallel computers**

GABER J; TOURSEL B; GONCALVES G; HSU T

L.I.F.L., Universite des Sciences et Technologies de Lille, 59655  
Villeneuve d Ascq cedex, France

Journal: Journal of systems architecture, 1996, 42 (3) 165-170

ISSN: 1383-7621 Availability: INIST-17565; 354000068554810002

Document Type: P (Serial) ; A (Analytic)

Country of Publication: Netherlands

Language: English Summary Language: English

Copyright (c) 1996 Elsevier Science B.V. **All rights reserved. Trees**

are a useful class of computational structures. In parallel processing, **mapping** problems arise when the tree structure differs from the processor interconnection of the parallel computer. The MasPar's MP-2 is a massively parallel computer where processors are interconnected via the X-Net neighborhood two-dimensional mesh and the global multistage crossbar router network. We present novel mapping schemes for trees on the MasPar's MP-2 two-dimensional mesh and on the two-dimensional mesh together with the MasPar's MP-2 multistage crossbar network. Appropriate algorithms of the mapping scheme on the two-dimensional mesh (or grid) are presented and are shown to be superior over known mappings on square arrays (or grids).

File 347:JAPIO Nov 1976-2004/Mar(Updated 040708)  
(c) 2004 JPO & JAPIO  
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200446  
(c) 2004 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2004/Jul W02  
(c) 2004 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20040715,UT=20040708  
(c) 2004 WIPO/Univentio

Set	Items	Description
S1	98	AU=(COULIER, C? OR COULIER C? OR BRUN, P? OR BRUN P?)
S2	2	S1 AND (DIRECTORY OR DIRECTORIES)
S3	2	PN=WO 9939257
S4	3	S2:S3

4/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

012640639 \*\*Image available\*\*

WPI Acc No: 1999-446743/199938

XRFX Acc No: N99-333436

**System for management of access to software applications such as those accessed using smart cards over a network, e.g. banking details**

Patent Assignee: GEMPLUS SCA (GEMP-N); GEMPLUS (GEMP-N)

Inventor: BRUN P; COULIER C

Number of Countries: 072 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FR 2774190	A1	19990730	FR 981008	A	19980129	199938	B
WO 9939257	A1	19990805	WO 99FR96	A	19990120	199938	
AU 9920600	A	19990816	AU 9920600	A	19990120	200002	
EP 1049968	A1	20001108	EP 99900955	A	19990120	200062	
			WO 99FR96	A	19990120		
CN 1295683	A	20010516	CN 99804589	A	19990120	200146	
JP 2002502067	W	20020122	WO 99FR96	A	19990120	200211	
			JP 2000529650	A	19990120		
EP 1049968	B1	20030102	EP 99900955	A	19990120	200310	
			WO 99FR96	A	19990120		
DE 69904696	E	20030206	DE 604696	A	19990120	200318	
			EP 99900955	A	19990120		
			WO 99FR96	A	19990120		
ES 2190642	T3	20030801	EP 99900955	A	19990120	200367	

Priority Applications (No Type Date): FR 981008 A 19980129

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

FR 2774190	A1	31	G06F-012/14	
------------	----	----	-------------	--

WO 9939257	A1 F		G06F-001/00	
------------	------	--	-------------	--

Designated States (National): AL AU BA BB BG BR CA CN CU CZ EE GE HU ID  
IL IN IS JP KP KR LC LK LR LT LV MG MK MN MX NZ PL RO SG SI SK SL TR TT  
UA US UZ VN YU

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9920600	A		G06F-001/00	Based on patent WO 9939257
------------	---	--	-------------	----------------------------

EP 1049968	A1 F		G06F-001/00	Based on patent WO 9939257
------------	------	--	-------------	----------------------------

Designated States (Regional): DE ES FR GB IT

CN 1295683	A		G06F-001/00	
------------	---	--	-------------	--

JP 2002502067	W	39	G06F-012/14	Based on patent WO 9939257
---------------	---	----	-------------	----------------------------

EP 1049968	B1 F		G06F-001/00	Based on patent WO 9939257
------------	------	--	-------------	----------------------------

Designated States (Regional): DE ES FR GB IT

DE 69904696	E		G06F-001/00	Based on patent EP 1049968
-------------	---	--	-------------	----------------------------

Based on patent WO 9939257

ES 2190642	T3		G06F-001/00	Based on patent EP 1049968
------------	----	--	-------------	----------------------------

Abstract (Basic): FR 2774190 A1

NOVELTY - Applications are registered in index files (Rep1, Rep2, Rep31, Rep32, Rep41, Rep42, Rep51, Rep52) organized in a tree type structure of n levels, the entry for level 1 (Rep1) being the highest level and a number of security records (R) each assigned to a unique entry with each security record (R) containing rights assigned to an entry.

DETAILED DESCRIPTION - The discovery also comprises a process for management of application security. Procedure comprises three steps: memorization of the security records of the rights assigned to an entry in the application index file; searching in the tree for the confidential data, and verification of the rights to access of the data level.

USE - Control of access to applications by means of a smart card (health, banking, mobile telephony, etc.).

ADVANTAGE - Current application access systems follow a grandmother, mother, daughter type arrangement, where it is necessary to follow the hierarchy. There is no relation between level selected

and level of security, secondly the number of applications and security levels is limited.

DESCRIPTION OF DRAWING(S) - Figure shows a tree type organization of applications

hierarchy of entries in index file for applications (Rep1-Rep52)  
pp; 31 DwgNo 2/4

Title Terms: SYSTEM; MANAGEMENT; ACCESS; SOFTWARE; APPLY; ACCESS; SMART;  
CARD; NETWORK; BANK; DETAIL

Derwent Class: T01; T04; T05

International Patent Class (Main): G06F-001/00; G06F-012/14

International Patent Class (Additional): G06F-012/00; G06K-019/073;  
G06K-019/10

File Segment: EPI

4/5/2 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01077240

**SYSTEM AND METHOD FOR MANAGING COMPUTER APPLICATIONS SECURITY**

**SYSTEM UND VERFAHREN ZUR SICHEREN VERWALTUNG VON RECHNERANWENDUNGEN**

**SYSTEME ET PROCEDE DE GESTION DE SECURITE D'APPLICATIONS INFORMATIQUES**

PATENT ASSIGNEE:

Gemplus, (1705263), Avenue du Pic de Bertagne, Parc d'Activites de  
Gemenos, 13881 Gemenos Cedex, (FR), (Proprietor designated states: all)

INVENTOR:

**COULIER, Charles**, 19, avenue Frederic Mistral Le Cannet, F-13360  
Roquevaire, (FR)

**BRUN, Philippe**, 14, allée du Ribas Lotissement des Severiers, F-13600  
La Ciotat, (FR)

PATENT (CC, No, Kind, Date): EP 1049968 A1 001108 (Basic)

EP 1049968 B1 030102

WO 99039257 990805

APPLICATION (CC, No, Date): EP 99900955 990120; WO 99FR96 990120

PRIORITY (CC, No, Date): FR 981008 980129

DESIGNATED STATES: DE; ES; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06F-001/00; G06F-012/14

CITED PATENTS (EP B): EP 477039 A; EP 617387 A; EP 661651 A; US 5129083 A;  
US 5469556 A

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001108 A1 Published application with search report

Application: 991006 A1 International application. (Art. 158(1))

Oppn None: 040107 B1 No opposition filed: 20031003

Examination: 010110 A1 Date of dispatch of the first examination  
report: 20001123

Examination: 001108 A1 Date of request for examination: 20000829

Grant: 030102 B1 Granted patent

Application: 991006 A1 International application entering European  
phase

LANGUAGE (Publication,Procedural,Application): French; French; French

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS B	(English)	200301	949
----------	-----------	--------	-----

CLAIMS B	(German)	200301	1543
----------	----------	--------	------

CLAIMS B	(French)	200301	859
----------	----------	--------	-----

SPEC B	(French)	200301	4011
--------	----------	--------	------

Total word count - document A	0
-------------------------------	---

Total word count - document B	7362
-------------------------------	------

Total word count - documents A + B	7362
------------------------------------	------

4/5/3 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00507905

**SYSTEM AND METHOD FOR MANAGING COMPUTER APPLICATIONS SECURITY**  
**SYSTEME ET PROCEDE DE GESTION DE SECURITE D'APPLICATIONS INFORMATIQUES**

Patent Applicant/Assignee:

GEMPLUS S C A,  
COULIER Charles,  
BRUN Philippe,

Inventor(s):

**COULIER Charles ,**  
**BRUN Philippe**

Patent and Priority Information (Country, Number, Date):

Patent: **WO 9939257** A1 19990805  
Application: **WO 99FR96 19990120** (PCT/WO FR9900096)  
Priority Application: **FR 981008 19980129**

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IN IS JP KP KR LC LK LR LT  
LV MG MK MN MX NZ PL RO SG SI SK SL TR TT UA US UZ VN YU GH GM KE LS MW  
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR  
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-001/00

International Patent Class: G06F-012/14

Publication Language: French

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 4665

English Abstract

The invention concerns a system for managing computer applications security, characterised in that: The computer applications are recorded in **directory** files (Rep1, Rep2, Rep31, Rep32, Rep41, Rep42, Rep51, Rep52) organised in a tree-like structure with n levels, level 1 **directory** (Rep1) being the highest level; a number r of security registers (R) being attributed each to one single **directory** and each security register (R) containing the set of rights or secrets S1 to Sp which have been assigned under one **directory** .